

- MORGAN, J.F. 1955. *Report on central North Kimberley region*. North Kimberley Survey and Mapping Expedition 1954. Govt. Printer, Perth.
- PEREZ, Fth Eugene 1981. *Kalumburu War Diary*. (ed.) R. Pratt & J. Millington, Kalumburu Benedictine Mission.
- PEREZ, Fth Eugene 1977. *Kalumburu — The Benedictine Mission and the aborigines 1908-1975*. Kalumburu Benedictine Mission.
- SERVENTY, D.L. 1970. Obituary. C.A. Gardner, MBE. *Western Australian Naturalist*, 11(7):168-172.
- SLATYER, R.D. 1960. Climate of the north Kimberley area, W.A. In Speck et al. *The lands and pastoral resources of the north Kimberley area, Western Australia*. Part 2:12-19.
- SPECHT, R.L., ROE, E.M. & BOUGHTON, V.H. 1974. Conservation of major plant communities in Australia and Papua New Guinea Australia: *Aust. J. Bot. Suppl. Ser.* No. 7.
- SPECK, N.H. et al. 1960. *The lands and pastoral resources of the north Kimberley area, Western Australia*. Land Research Series No. 4. CSIRO, Melbourne, 109 pp., 7 plates & 2 mapsheets.
- SPECK, N.H. 1960a. Vegetation of the north Kimberley area, Western Australia. In Speck et al., *The lands and pastoral resources of the north Kimberley area, Western Australia*. Part 6, 41-63.
- SPECK, N.H. 1960b. Soils of the north Kimberley area, Western Australia. In Speck, et al., *The lands and pastoral resources of the north Kimberley area, Western Australia*. Part 5:33-40.
- SPECK, N.H. 1960c. Land systems of the north Kimberley area, Western Australia. In Speck et al., *The lands and pastoral resources of the north Kimberley area, Western Australia*. Part 8:71-75, and mapsheet.
- STEWART, G.A. 1960. Introduction to the lands and pastoral resources of the north Kimberley area, Western Australia. In Speck et al., *The lands and pastoral resources of the north Kimberley area, Western Australia*. Part 1:9-11.
- WELLS, A.G. 1981. A survey of riverside mangrove vegetation fringing tidal river systems of Kimberley, Western Australia. In: *Biological Survey of Mitchell Plateau and Admiralty Gulf*. Western Australian Museum, Perth, pp. 95-121.

AN ANNOTATED PLANT CHECKLIST OF VANSITTART AND NAPIER BROOME BAYS, NORTHERN KIMBERLEY, WESTERN AUSTRALIA

ARRANGEMENT OF THE PLANT CHECKLIST

Genera and species are arranged alphabetically within the families which are themselves arranged alphabetically in each section. Introduced plants are indicated by an asterisk (*). Species are followed by the collector's initials, a collector's number or numbers to assist location of the voucher collections. Initials refer to the following collectors: EAC (E.A. Chesterfield), SJF (S.J. Forbes), WAP (W.A. Papst), PGW (P.G. Wilson) and JHW (J.H. Willis). All specimens cited are represented by voucher specimens housed either in the National Herbarium of Victoria (MEL) or the Western Australian Herbarium (PERTH), unless indicated by SR which denotes a sight record only.

Nomenclature for vascular plants (*Tracheophyta*) follows Green (1985) whilst for families in other groups the following systems were adopted; for Blue-green algae (*Cyanophyta*), Desikachary (1959), Carr and Whitton (1973) and Drouet (1981); for seaweeds, Lobban and Wynne (1981); for Basidiomycetes, Julich (1981); for lichens, Filson (1986) and for Bryophytes, D.G. Catcheside and I.G. Stone (pers. comm.). All other entries are in accord with recommendations for particular taxa.

ALGAE

CHLOROPHYCEAE

DASYCLADACEAE

Neomeris annulata Dickie JHW s.n.

Thallus vermicular, whitish with green tips. Marine alga exposed at low tide, on dead coral on Anjo Peninsula.

TRENTEPOHLIACEAE

Trentepohlia sp. EAC 380

Lithophyte on sandstone at base of Anjo Peninsula.

UDOTEACEAE

Halimeda macroloba Decaisne JHW s.n.

Marine alga exposed at low tide in sand pockets on dead coral on Anjo Peninsula.

CYANOPHYCEAE

SCYTONEMATACEAE

Scytonema sp. EAC 381,382

Black lithophyte on and beneath shelves of sandstone at base of Anjo Peninsula.

STIGONEMATACEAE

Stigonema sp. EAC 374

Bluish-black lithophyte on and beneath sandstone shelves at base of Anjo Peninsula.

PHAEOPHYCEAE

DICTYOTACEAE

Padina australis Hauck. JHW s.n.

Marine alga exposed at low tide on dead coral on Anjo Peninsula.

FUNGI

AURICULARIACEAE

Auricularia polytricha (Montagne) Sacc. JHW s.n.

On rotting logs in low closed-forest near August Point.

CORIOLACEAE

Lenzites sp. (aff. *L. erubescens* Berk.) JHW s.n.

On sandy ground in *Acacia-Boronia* dominated open-scrub on Governor Is.

Pycnoporus sanguineus (L. ex Fr.) Murr. JHW s.n.

On fallen deadwood in low-closed forest on Governor Is., also on Anjo and Bougainville Peninsulas.

Trametes muelleri Berk. SJF 2074, JHW s.n.
Thallus orange or white. Orange form on dead wood adjacent to mangrove swamp in sheltered inlet on Governor Is. White form widespread.

Trametes sp. JHW s.n.
Pores grey. On fallen partly burnt trunks of *Eucalyptus bleeseri* in low open-forest on Anjo Peninsula.

GLOEOPHYLLACEAE

Gloeophyllum concentricum G.H. Cunn. JHW s.n.
On burnt bloodwood log behind beach on Governor Is.

Osmoporus strigatus (Berk.) G.H. Cunn. JHW s.n.
On dead tree trunk near August Point.

PELLINACEAE

Phellinus setulosus (Lloyd) Imaz. JHW s.n.
On *Eucalyptus* ? *miniata* behind beach on Governor Is.

Phellinus sp. JHW s.n.
On dead fallen trunk of *Eucalyptus tetradonta* on Pim Hill.

PLEUROTACEAE

Panus fasciatus (Berk.) G.H. Cunn. JHW s.n.
On fallen, partly burnt logs of *Eucalyptus bleeseri* on Anjo Peninsula and on fallen branches in low closed-forest near August Point.

POLYPORACEAE

Pseudofavolus ? *tenuis* (Hook.) G.H. Cunn. JHW s.n.
On fallen deadwood in open-forest on floodplain of freshwater creek flowing into Pauline Bay.

Pseudofavolus polygrammus (Mont.) G.H. Cunn. JHW s.n.
On rooting logs and fallen deadwood in low open-forest on Governor Is. and on dead mangrove trunk on Anjo Peninsula.

STEREACEAE

Stereum ? *strigoso-zonatum* (Schweinitz) G.H. Cunn. JHW s.n.
On fallen deadwood in low closed-forest near August Point.

LICHENS

CHRYSOTHRICACEAE

Chrysothrix candelaris (L.) Laundon EAC 375.
Thallus yellow. Lithophyte on sandstone at base of Anjo Peninsula.

DEUTEROMYCOTINA

Lepraria cf. *membranaceae* (Dickson) Lettau EAC 376A.
Thallus pale whitish-grey. Lithophyte on sandstone at base of Anjo Peninsula.

Lepraria sp. EAC 374
Thallus dark bluish-grey. Lithophyte on sandstone at base of Anjo Peninsula.

LECANORACEAE

Haematomma similis Bayl. JHW s.n.

On trunks of *Adansonia gregorii* at West Bay.

Lecanora sp. JHW s.n.

On trunks of *Adansonia gregorii* at West Bay.

LICHINACEAE

? *Lichina* sp. EAC 374

Thallus black. Lithophyte on sandstone at base of Anjo Peninsula.

PANNARIACEAE

? *Pannaria* sp. SJF 2073

Thallus blue-grey. On sandstone bluff beside coastal gully of Governor Is.

PERTUSARIACEAE

Pertusaria sp. 1 JHW s.n.

Thallus grey. On trunks of *Adansonia gregorii* at West Bay.

Pertusaria sp. 2 SJF 2071; EAC 378, 379

Thallus yellowish-sage. On sandstone at base of Anjo Peninsula and on sea-cliff on Governor Is.

PHYSICIACEAE

Buellia sp. 1 EAC 377, 278;; JHW s.n.

Thallus green. Lithophyte on shady edges of laterite capping on mount 2 km SW of August Point on Bougainville Peninsula and on sandstone at base of Anjo Peninsula.

Dirinaria sp. 1 SJF 2073

Thallus blue-grey. Lithophyte on sandstone sea-cliff on Governor Is.

Dirinaria sp. 2 JHW s.n.

Thallus grey. Epiphyte on trunks of *Adansonia gregorii* at West Bay.

RAMALINACEAE

Ramalina subfraxinea Nyl. var. *norstictica* G.N. Stevens JHW s.n.

Thallus fruticose, greenish. On living and dead branchlets of *Rhizophora stylosa* on northern Anjo Peninsula.

ROCELLACEAE

Rocella montagnei Bel. JHW s.n.

Thallus fruticose, cream-yellow. On dead branches of old mangroves and nearby beach-dune trees on northern Anjo Peninsula. Includes 3 morphologically distinct forms.

TELOSCHISTACEAE

Caloplaca sp. 1 EAC 402; SJF 2072

Thallus yellow with sordidia. Lithophyte on sandstone sea-cliff on Governor Is. and on basalt at Seaflower Bay on Bougainville Peninsula.

Caloplaca sp. 2 JHW s.n.

Thallus grey. Lithophyte on shady edges of laterite capping on mount 2 km SW of August Point on Bougainville Peninsula.

Caloplaca sp. 3 EAC 377

Thallus pinkish with red apothecia. Lithophyte on sandstone at base of Anjo Peninsula.

Caloplaca sp. 4 EAC 377

Thallus pale orange with disk margin. Lithophyte on sandstone at base of Anjo Peninsula.

MOSSES

BRYOPHYTA

FISSIDENTACEAE

Fissidens tenellus Hook. f. & Wils. EAC 381

Lithophyte under sandstone shelf at base of Anjo Peninsula.

POTTIACEAE

? *Hyophila javanica* (Nees) Porid.; EAC 376B, 380

Lithophyte on sandstone at base of Anjo Peninsula.

FERNS

ADIANTACEAE

Cheilanthes sieberi Kunze EAC 357

Tufted fern to 10 cm from short rhizome. Rare in sandstone crevice on bank of freshwater creek flowing into Pauline Bay.

GLEICHENIACEAE

Platyzoma microphyllum R.Br. EAC 273; SJF 2247; JHW s.n.; PGW 11273

Hummock-forming fern. Occasional in open-scrub on lateritic podzol on Anjo Peninsula; in open-woodland on sand near West Bay and at Pauline Bay and on Sir Graham Moore Is.

LYCOPODIACEAE

Selaginella ciliaris (Retz.) Spreng EAC 324; JHW s.n.

Prostrate herb to 5 cm. On sheltered sandstone ledge beside tributary of Woppinbie Ck and under basalt rocks against freshwater creek flowing into Seaflower Bay.

PTERIDACEAE

Acrostichum speciosum Willd. JHW s.n.

Dense clumps to 1 m. On peat adjacent to *Melaleuca* ? *cajuputi* at junction of tidal influence with creek flowing into Pauline Bay.

SCHIZAEACEAE

Lygodium microphyllum (Cav.) R.Br. JHW s.n.

Fern climbing to 3 m up trunks of *Pandanus*. In open-forest on floodplain of freshwater creek flowing into Pauline Bay.

GYMNOSPERMS

CUPRESSACEAE

Callitris intratropica (F. Muell.) R.T. Baker EAC 315; SJF 2126

Cypress-like tree to 8 m. Occasional about sandstone knolls in low woodland on lateritic podzol around Cone Mt.

CYCADACEAE

Cycas basaltica C.A. Gardner SJF 2209

Palm-like tree to 2 m. Emergent in grassland on basalt on Seaflower Bay.

ANGIOSPERMS

MONOCOTYLEDONAE

ANTHERICACEAE

Caesia setifera Baker JHW s.n.

In freshwater pond near West Bay.

Thysanotus chinensis Benth. EAC 367

Herb to 30 cm. In open-forest on floodplain of freshwater creek flowing into Pauline Bay.

Tricoryne elatior R.Br. JHW s.n.

Wiry herb to 50 cm. In low open-forest on lateritic podzol at West Bay.

APONOGETONACEAE

Aponogeton elongatus F. Muell. ex Benth. JHW s.n.

Submerged aquatic, inflorescence spicate, scented. In freshwater pool at Pauline Bay.

ASPARAGACEAE

Protasparagus racemosus Willd. Oberm. JHW s.n.

Sparse herb to 70 cm. Above foreshore with boabs on sand at West Bay.

CENTROLEPIDACEAE

Centrolepis exserta (R.Br.) Roemer & Schultes EAC 277, 302; JHW s.n.

Tufted herb to 10 cm. On peaty selva to rock slabs at Pauline Bay and on drying creek banks at West Bay and base of Anjo Peninsula.

Trithuria aff. *lanterna* D.A. Cooke JHW s.n.

Tufted herb to 5 cm. In pool near freshwater creek flowing into Pauline Bay. Probably a new species.

COMMELINACEAE

Cartonema spicatum R.Br. EAC 365; SJF 2163, 2248; JHW s.n.

Glandular lily-like herb to 50 cm, flowers pink. Widespread on damp sands and loams in depressions and floodplains throughout study area.

Commelina ensifolia R.Br. EAC 395; SJF 2228; JHW s.n.

Trailing herb, flowers blue. In mixed low forest near Sharp Point, in open-scrub on lateritic podzol on Anjo Peninsula and low open-forest on basalt on Seaflower Bay.

CYPERACEAE

Bulbostylis barbata (Rottb.) C.B. Clarke JHW s.n.

In low open-forest on road to Truscott Air Base from West Bay.

Cyperus aquatilis R.Br. EAC 268A; SJF 2102

Tufted annual sedge, leaves yellow-green. In open forest on drying banks of freshwater creeks flowing into Pauline Bay and West Bay.

Cyperus cracens K.L. Wilson MS (= sp. 'C') EAC 406

Sedge. Common in open scrub on secondary dune on Anjo Peninsula.

Cyperus cracens K.L. Wilson MS (= sp. 'E') EAC 269

Sedge. In open-forest on drying banks of freshwater creek flowing into West Bay.

Cyperus javanicus Houtt. SJF 2220

Tufted sedge. In riparian low open-forest on basalt on freshwater creek flowing into Seaflower Bay.

Cyperus microcephalus R.Br. ssp. *saxicola* K.L. Wilson MS (= ssp. 'S') JHW s.n.

On rocks on SE beach on Governor Is.

Cyperus sexflorus R.Br. JHW s.n.

On drying flat amongst *Plectrachne* near Sharp Point.

Cyperus sporobolus R.Br. ssp. nov. 'O' JHW s.n.

Sedge. At base of Anjo Peninsula.

Eleocharis geniculata (L.) Schultes SJF 2208

Tufted sedge. In riparian low open-forest on basalt on freshwater creek flowing into Seaflower Bay.

Eleocharis variegata (Poir.) Presl. JHW s.n.

Tufted sedge to 15 cm. On drying banks of freshwater creek flowing into Pauline Bay.

Fimbristylis acuminata Vahl SJF 2083

Tufted sedge, inflorescence fusiform. In low woodland adjacent to creek on West Bay.

Fimbristylis aff. *arthrostyloides* W.V. Fitzg. Taxon A (Dunlop 5239) EAC 319; JHWs.n.

Tussock-forming perennial sedge to 50 cm. In low open-woodland on sandstone escarpment near Cone Mt.

Fimbristylis aff. *arthrostyloides* W.V. Fitzg. Taxon B (Dunlop 5381) EAC 247; SJF 2061, 2114.

Tussock-forming sedge to 50 cm, roots fleshy. In low shrubland on sandy strand behind sandstone sea-cliffs on Governor Is. and in low open-forest amongst sandstone outcrops at base of Anjo Peninsula.

Fimbristylis aff. *cymosa* R.Br. JHW s.n.

Sedge. On coastal sandstone of Governor Is.

Fimbristylis cephalophora F. Muell. SJF 2207; JHW s.n.

Tufted sedge. In riparian low open-forest on basalt on freshwater creek flowing into Seaflower Bay.

Fimbristylis dichotoma (L.) Vahl SJF 2225

Tufted sedge. In riparian low open-forest on basalt on freshwater creek flowing into Seaflower Bay.

Fimbristylis lanceolata C.B. Clarke EAC 356; SJF 2148

Tufted annual sedge. On drying banks of freshwater creek flowing into Pauline Bay.

Fimbristylis microcarya F. Muell. EAC 401

Tufted sedge to 30 cm. In basalt crevices in creek-bank on Seaflower Bay.

Fimbristylis pallida S.T. Blake EAC 270

Sedge. In open-forest on drying banks of freshwater creek flowing into West Bay.

Fimbristylis pauciflora R.Br. SJF 2103

Coarse tussock. In open forest on drying bank of freshwater creek flowing into Pauline Bay.

Fimbristylis sericea R.Br. JHW s.n., PGW 11305

Rhizomatous sedge to 20 cm, leaves sericeous, whitish. On shoreline of Governor Is., and on Anjo Peninsula.

Fimbristylis squarrosa F. Muell. JHW s.n.

Sedge. In temporary watercourse in low open-forest at base of Anjo Peninsula.

Fuirena ciliaris (L.) Roxb. EAC 268, 279, 401A; PGW 11277

Leafy sedge to 30 cm. In open-forest on drying bank of freshwater creeks flowing into Pauline Bay and Seaflower Bay, and on Sir Graham Moore Is.

Fuirena umbellata Rottb. JHW s.n.

Sedge. On drying bank of freshwater creek flowing into Pauline Bay.

Scleria brownii Kunth. SJF 2064; JHW s.n.

Tufted perennial sedge to 30 cm, nuts white. Widespread on sandstones and laterite throughout study area.

ERIOCAULACEAE

Eriocaulon cinereum R.Br. SJF 2156

Tufted dwarf annual. On drying bank of freshwater creek flowing into Pauline Bay.

Eriocaulon lividum F. Muell. EAC 271.

Herb. On drying bank of freshwater creek flowing into West Bay.

Eriocaulon setaceum L. SJF 2096; JHW s.n.

Aquatic herb, flowers white. Abundant in freshwater creek flowing into Pauline Bay.

FLAGELLARIACEAE

Flagellaria indica L. SJF 2056; JHW s.n.

Weak climber to 5 m, flowers white. In tall shrubland on sandstone plateau of Governor Is.

HYDROCHARITACEAE

Maidenia rubra A.B. Rendle JHW s.n.

Submerged aquatic herb. In freshwater creek on sandstone at West Bay.

NAJADACEAE

Najas graminea Del. or *N. tenuifolia* R.Br. JHW s.n.

Submerged aquatic herb. In freshwater creek on sandstone at West Bay.

ORCHIDACEAE

Cymbidium canaliculatum R.Br. SJF 2252

Epiphytic orchid on *Xylocarpus australasicus*. In mangal surrounding tidal lagoon on Anjo Peninsula.

PANDANACEAE

Pandanus spp. (SR)

P. aquaticus F. Muell. ex Warb., *P. darwinensis* St. John, *P. semiarmatus* St. John and *P. spiralis* R.Br. are listed from the Mitchell Plateau by Hnatiuk and Kenneally (1981). *P. aquaticus* and 2 indet. spp. from Kalumburu area by Crawford (1982).

Small tree to 5 m. Common on swampy floodplains of freshwater creeks at Pauline Bay and West Bay and in low-lying depressions.

PHILYDRACEAE

Philydrum lanuginosum Gaertner EAC 364; JHW s.n.

Erect rhizomatous herb, leaves fleshy, distichous, flowers yellow. In marshy ground in open-forest on floodplain of freshwater creek flowing into Pauline Bay.

POACEAE

Aristida browniana Henrard var. *browniana* SJF 2230, 2111.

Erect wiry perennial tussock-grass to 70 cm, branched above. In open-scrub on lateritic podzol on Anjo Peninsula and in low open-forest on lateritised sandstone at base of Anjo Peninsula.

Cenchrus elymoides F. Muell. SJF 2205, 2229; JHW s.n.; PGW 11207

Robust tussock-forming grass to 1(-3) m. In open-scrub on lateritic podzol on Anjo Peninsula and in riparian low open-forest on basalt on Seaflower Bay and on Sir Graham Moore Is.

Chrysopogon fallax S.T. Blake PGW 11173

Perennial tussock. Sir Graham Moore Is.

Chrysopogon latifolius S.T. Blake SJF 2129; PGW 11186

Tussock grass to 1 m. Abundant in low woodland on black cracking clay near Cone Mt., and on Sir Graham Moore Is.

Cymbopogon procerus (R.Br.) Domin SJF 2090

Tussock grass to 150 cm, roots strongly ginger-scented. In low woodland on lateritised sandstone on Cone Mt.

Dichanthium fecundum S.T. Blake JHW s.n.

In riparian low open-forest on basalt on freshwater creek flowing into Seaflower Bay.

Dichanthium tenuiculium (Steud.) S.T. Blake SJF 2133

Annual cane-grass to 1 m. In low woodland on black cracking clay near Cone Mt.

Digitaria bicornis (Lam.) Roem. & Schultes JHW s.n.

Tufted annual to 30 cm. In low open-forest at West Bay.

Dimeria ornithopoda Trin. EAC 349

Spreading grass to 30 cm. In sandy course of freshwater creek flowing into Pauline Bay.

Eragrostis japonica (Thunb.) Trin. EAC 399; SJF 2217

Tufted annual grass to 30 cm. In riparian low open-forest on basalt on freshwater creek flowing into Seaflower Bay.

Eragrostis sp. nov. JHW s.n.

Cane-like grass to 2 m. In low open-forest on sand at West Bay.

Eriachne avenacea R.Br. SJF 2113

Tufted grass. Occasional in low open-forest amongst sandstone outcrops at base of Anjo Peninsula.

Eriachne burkittii Jansen SJF 2122

Tufted grass to 50 cm, culm leaves reddish, leaf blades folded to 20 cm. Abundant grass in low open-woodland on lateritic podzol near Cone Mt.

Eriachne festucacea F. Muell. SJF 2101; PGW 11173b

Sprawling perennial grass. In open forest on sandstone shelf along freshwater creek flowing into Pauline Bay, and on Sir Graham Moore Is.

Eriachne sulcata Hartley EAC 240, 284, 341A, 341B; SJF 2082, 2184; JHW s.n.; PGW11211

Slender tussock grass to 50 cm. Near Cone Mt. in low open-forest on lateritised sandstone near Pim Hill and on Governor Is. and in low woodland along creek on West Bay, and on Sir Graham Moore Is.

Eulalia mackinlayi (F. Muell. ex Benth) O. Kuntze EAC 362

Grass. In open-forest on sandstone floodplain of freshwater creek flowing into Pauline Bay.

Heteropogon contortus (L.) P. Beauv. ex Roemer & Schultes EAC 252; PGW 11245

Erect grass to 70 cm. In open-scrub on sandstone on Governor Is. and on Sir Graham Moore Is.

Mnesithea rottboellioides (R.Br.) König & Sosef (syn. *Coelorhachis rottboellioides* (R.Br.) Stapf.) EAC 348

Tall tussock grass to 2 m. In sandy course of intermittent stream flowing into Pauline Bay.

Panicum mindanaense Merr. JHW s.n.; PGW 11238

Erect annual to 60 cm. In low open-forest on ? lateritic podzol on Anjo Peninsula and on Sir Graham Moore Is.

Plectrachne ? pungens (R.Br.) C.E. Hubbard PGW 11219

Hummock-forming spinifex. Sir Graham Moore Is.

Plectrachne mollis Lazarides SJF 2121D

Tufted perennial to 70 cm, leaf-blades inrolled, filiform. In low open-woodland on lateritic podzol near Cone Mt.

Pseudopogonatherum irritans (R.Br.) A. Camus EAC 283; SJF 2080

Tufted grass to 70 cm: awns golden at anthesis, later dull. In low woodland on creek on West Bay.

Sacciolepis myosuroides (R.Br.) Hughes EAC 366; JHW s.n.

Tufted grass to 50 cm. In open-forest on sandstone flood plain of freshwater creek flowing into Pauline Bay.

Sehima nervosum (Rottler) Stapf (SR)

Perennial tussock grass to 70 cm. Restricted to alluvium and clays.

Setaria apiculata (Scribn. & Merr.) K. Schum. SJF 2246; PGW 11184

Ascending, annual grass to 50 cm. In open-scrub on lateritic podzol on Anjo Peninsula and in low open-forest at West Bay, and on Sir Graham Moore Is.

Sorghum plumosum (R.Br.) P. Beauv. EAC 341C; SJF 2091

Annual cane-grass to 1.5 m. Abundant in low woodland on lateritised sandstone near Cone Mt.

Sorghum stipoides (Ewart & J. White) C. Gardner & C.E. Hubbard SJF 2057, 2058, 2081, 2105, 2125, 2154; JHW s.n.

Annual cane-grass to 2 m, with prop-roots. Often dominant in understorey in open-forests, woodlands and shrublands on sandstones, lateritised sandstones and alluvium throughout study area.

Spinifex longifolius R.Br. EAC 242; JHW s.n.

Rhizomatous, perennial, long, creeping grass. Common in deep sands on foreshore of Governor Is.

Themeda triandra Forskal EAC 339

Erect grass to 70 cm. In low woodland on black cracking clay near Cone Mt.

Triodia sp. nov. (aff. *T. racemigera* C. Gardner) JHW s.n.

Spinifex. Amongst rocks on south-east side of Governor Is.

Xerochloa imberbis R.Br. PGW 11269

Erect rush-like perennial. Sir Graham Moore Is.

SMILACACEAE

Smilax australis R.Br. SJF 2135

Rampant twiner. In sheltered sandstone gullies near Woppinbie Ck.

XANTHORRHOEACEAE

Lomandra tropica A. Lee EAC 330; JHW s.n.

Perennial coarse tussock to 50 cm. In low open-woodland/forest on lateritised sandstone at Cone Mt. near Sharp Point and near Woppinbie Ck.

XYRIDACEAE

Xyris ? complanata R.Br. SJF 2121; JHW s.n.; PGW 11256

Perennial tussock to 30 cm, heads to 1 cm, flowers yellow. In low open-woodland on low-lying lateritic podzol near Cone Mt. and near Sharp Point, and on Sir Graham Moore Is.

DICOTYLEDONAE

ACANTHACEAE

Hypoestes floribunda R.Br. aff. var. *suaveolens* R. Barker SJF 2085; JHW s.n.

Sprawling semi-shrub to 50 cm, flowers magenta. In low woodland on lateritised sandstone knoll of Cone Mt. and on rocky knoll on south side of Pauline Bay.

Hypoestes floribunda R.Br. var. *suaveolens* R. Barker SJF 2193

Semi-shrub to 50 cm, flowers magenta. In low open-woodland on lateritised basalt on Seaflower Bay.

Rostellularia adscendens (R.Br.) R.M. Barker ssp. *clementii* (Domin) R.M. Barker var ? *largiflorens* R.M. Barker SJF 2093

Herb to 50 cm, flowers white. Uncommon in low woodland on lateritised sandstone on Cone Mt.

AIZOACEAE

Trianthema pilosa F. Muell. PGW 11267

Sir Graham Moore Is.

AMARANTHACEAE

Achyranthes aspera L. PGW 11287

Near Sharp Point on Anjo Peninsula.

Amaranthus pallidiflorus F. Muell. JHW s.n.

On Governor Is.

Gomphrena canescens R.Br. SJF 2218

Erect herb to 70 cm, flowers maroon. In riparian low open-forest on basalt on freshwater creek flowing into Seaflower Bay and in tall shrubland on sandstone on Governor Is.

Gomphrena diffusa Spreng. JHW s.n.

At West Bay.

Gomphrena sp. JHW s.n.

Herb to 30 cm. On stony laterite plain on Governor Is.

Hemichroa diandra R.Br. SJF 2268

Semi-shrub to 20 cm: flowers minute, white. Common in low open-shrubland on tidal flat surrounding lagoon on Anjo Peninsula.

Ptilotus conicus R.Br. EAC 260; SJF 2233; JHW s.n.

Herb to 50 cm, stems red: flowers yellow, crimson at tips. In open-scrub on lateritic podzol on Anjo Peninsula and on sand foreshore of Governor Is. and at West Bay.

Ptilotus polystachyus (Gaudich.) F. Muell. SJF 2254; JHW s.n.

Herb to 1 m, flowers pink-red. In open-heath on lateritised sandstone on Sharp Point, also at Pauline Bay and on Governor Is.

ANACARDIACEAE

Buchanania obovata Engl. EAC 312E; PGW 11216

Small tree to 2.5 m, branches spreading. In low open-forest on sandstone and lateritised sandstone near Cone Mt. and on Pim Hill, and on Sir Graham Moore Is.

APIACEAE

Trachymene didiscoides (F. Muell.) B.L. Burt SJF 2038, 2138; JHW s.n.

Biennial herb to 3 m, cauline leaves only at flowering. Common in low open-woodland on massive sandstones near Woppinbie Ck, on Governor Is. and on lateritic plateau at Pim Hill.

APOCYNACEAE

Alyxia spicata R.Br. JHW s.n.

Climber, flowers fragrant. On basalt at Seaflower Bay.

Ervatamia pubescens (R.Br.) Domin SJF 2140

Spreading tree to 3 m: fruits orange, trapezoid. Uncommon in low open-woodland on sandstone near Woppinbie Ck.

Parsonsia velutina R.Br. SJF 2146

Low creeper. In low open-woodland on sandstone near Woppinbie Ck.

Wrightia saligna (R.Br.) Benth. SJF 2227S

Low tree to 3 m. In open-scrub on lateritic podzol on Anjo Peninsula.

ASCLEPIADACEAE

Gymnanthera nitida R.Br. (SR)

On Sir Graham Moore Is.

Marsdenia cinerascens R.Br. SJF 2049S; JHW s.n.

Low climber, blaze exuding milky latex. In low closed-forest on sandstone sea-cliffs on Governor Is.

ASTERACEAE

Blumea integrifolia DC. EAC 301A; JHW s.n.; PGW 11271

Herb to 30 cm. In open-forest on sandstone floodplain of freshwater creek flowing into Pauline Bay and in low open-forest at base of Anjo Peninsula and on Sir Graham Moore Is.

Blumea psammophila Dunlop ined. JHW s.n.

Herb. In open-forest on sandstone floodplain of freshwater creek flowing into Pauline Bay.

Blumea saxatilis Zoll. & Moritz PGW 11231, 11264

Sir Graham Moore Is.

Blumea sp. EAC 312H

Herb to 50 cm. In low open-woodland on sandstone escarpment near Cone Mt.

Moonia eclipoides (F. Muell.) Benth. PGW 11194; JHW s.n.

Annual herb, to 1 m, flowers yellow. Behind sandy foreshore on south side of Pauline Bay, and on Sir Graham Moore Is.

Pluchea rubelliflora (F. Muell.) B.L. Robinson SJF 2264; PGW 11229; JHW s.n.

Herb to 30 cm. On saline flat behind mangal on Pauline Bay and in open-heath on lateritised sandstone on Sharp Point, and on Sir Graham Moore Is.

Pterocaulon serrulatum (Montr.) Guill. var. *serrulatum* SJF 2253

Herb to 70 cm, flowers white. Occasional in open-heath on lateritised sandstone on Sharp Point.

Pterocaulon sphacelatum (Labill.) Benth. & Hook. f. ex F. Muell. PGW 11263; JHW s.n.

Semi-shrub to 1 m. On sandstones and laterites on Governor Is. and SSW of Sharp Point, and on Sir Graham Moore Is.

Pterocaulon verbascifolium F. Muell, PGW 11317; JWH s.n.

Semi-shrub to 1 m. In low open-forest on laterite and lateritic podzol on mount near August Point and SSW of Sharp Point, and on Sir Graham Moore Is.

Vernonia cinerea (L.) Less. JHW s.n.

Semi-shrub to 1 m. In low open-forest on laterite on Pim Hill.

AVICENNIACEAE

Avicennia marina (Forsk.) Vierh JHW s.n.; PGW 11270

Mangrove at West Bay, and on Sir Graham Moore Is.

BIGNONIACEAE

Dolichandrone heterophylla (R.Br.) F. Muell. SJF 2062A, 2186

Small tree to 3 m. In low open-woodland on lateritised basalt on Seaflower Bay and on sandstone on Governor Is.

BOMBACACEAE

Adansonia gregorii F. Muell. (SR)

Tree to 10 m with swollen trunk. Occasional on coastal sands at West Bay and on Governor Is.

BORAGINACEAE

Ehretia saligna R.Br. SJF 2046S

Tree to 3 m with corky grey bark. In low closed-forest on sandstone sea-cliffs on Governor Is.

Heliotropium aff. *flaviflorum* W.V. Fitzg. PGW 11234
Sir Graham Moore Is.

Heliotropium paniculatum R.Br. PGW 11224
Sir Graham Moore Is.

BURSERACEAE

Canarium australianum F. Muell. var. *glabrum* Leenh. SJF 2219S; JHW s.n.; PGW11301

Tree to 8 m, dbh 50 cm, leaves pinnate. Co-dominant in riparian low open-forest on basalt on freshwater creek flowing into Seaflower Bay and on mount at August Point, and near Sharp Point.

Garuga floribunda Decne. SJF 2223

Tree to 10 m, sparsely branched as if pollarded: dbh 70 cm: bark white, patterned grey: leaves pinnate, deciduous. Co-dominant in riparian low open-forest on basalt on creek flowing into Seaflower Bay.

BYBLIDACEAE

Byblis liniflora Salisb. EAC 251, 274, 281, 338A; SJF 2095; JHW s.n., PGW11255

Sprawling glandular herb to 30 cm. In depressions and on floodplains on various soils throughout study area.

CAESALPINIACEAE

Cassia goniodes A. Cunn. ex Benth. SJF 2181, 2265; PGW 11292

Semi-prostrate shrub, leaflets 1-2 pairs, flowers orange-yellow. In low open-woodland on sandstone near Pim Hill and in open-heath on laterised sandstone near Sharp Point.

Cassia mimosoides L. EAC 296

Sprawling shrub. In low open-forest on sandstone at base of Anjo Peninsula.

Cassia oligoclada F. Muell. PGW 11190

Sir Graham Moore Is.

Erythrophleum chlorostachys (F. Muell.) Baill. SJF 2085A; PGW 11192

Tree to 6 m, bark dark, furrowed. Occasional in low open-forest on lateritised sandstones throughout study area.

Petalostylis labicheoides R.Br. JHW s.n.

Shrub to 1 m. In sand adjacent to rocky knoll on south side of Pauline Bay.

CAPPARACEAE

Cadaba capparoides DC. SJF 11175A

Sir Graham Moore Is.

Capparis ? *sepiaria* L. JHW s.n.

Tree to 8 m. On laterite over basalt on mount 2 km SW of August Point.

Capparis quiniflora DC. JHW s.n.

Prickly shrub. At West Bay.

Capparis umbonata Lindl. PGW 11295

Near Sharp Point on Anjo Peninsula.

Cleome ? viscosa L. SJF 2255

Herb to 50 cm. Common in open-heath on lateritised sandstone on Sharp Point.

Cleome tetrandra DC. var. *simplicifolia* F. Muell. EAC 408; JHW s.n.; PGW 11225

Herb to 50 cm. On sandy beach at West Bay and on south side of Pauline Bay and adjacent to sedgeland on sandstone on Sharp Point, and on Sir Graham Moore Is.

CARYOPHYLLACEAE

Polycarpaea longiflora F. Muell. EAC 259, 333, 361; SJF 2106; JHW s.n.; PGW 11197

Erect herb to 1 m, flowers crimson/maroon. On sandstones, laterites and alluvium throughout study area.

Polycarpaea involucrata F. Muell. JHW s.n.
West Bay near sea.

Polycarpaea sp. nov. (aff *P. involucrata* F. Muell.) EAC 320, JHW s.n.
Herb to 10 cm, flowers cream. In low open-woodland forest on sandstone at West Bay.

CHENOPODIACEAE

Halosarcia halocnemoides (Nees) Paul G. Wilson subsp. *tenuis* Paul G. Wilson JHW s.n.

Shrubby glasswort to 40 cm. In low open-shrubland on tidal flat surrounding lagoon near Sharp Point on Anjo Peninsula.

Halosarcia indica (Willd.) Paul G. Wilson SJF 2267S; JHW s.n.

Shrubby glasswort to 20 cm. Dominant in low open-shrubland on tidal flat surrounding lagoon near Sharp Point on Anjo Peninsula.

Halosarcia indica (Willd.) Paul G. Wilson subsp. *indica* JHW s.n.

Almost prostrate shrubby glasswort. Sprawling over sand on tidal flat surrounding lagoon near Sharp Point.

Halosarcia indica (Willd.) Paul G. Wilson subsp. *leiostachya* (Benth.) Paul G. Wilson JHW s.n.; PGW 11268

Vigorous shrubby glasswort to 1.5 m. Co-dominant in low open-shrubland on tidal flat surrounding lagoon near Sharp Point, and on Sir Graham Moore Is.

Neobassia astrocarpa (F. Muell.) A.J. Scott JHW s.n.

Abundant in low open-shrubland on tidal flat surrounding lagoon SSW of Sharp Point.

COMBRETACEAE

Terminalia canescens (DC.) Radlk. EAC 243, 312B; SJF 2094; PGW 11218

Erect shrub or small tree to 4 m. Occasional in low woodland on lateritised sandstone on Cone Mt. and on sandstone on Governor Is., and on Sir Graham Moore Is.

Terminalia carpentariae C.T. White EAC 306, 328; SJF 2143

Tree to 4 m, dbh 15 cm, leaves grey-green. Co-dominant in low open-woodland on massive sandstones near Woppinbie Ck, near Pim Hill and on Pauline Bay.

Terminalia hadleyana W.V. Fitzg. PGW 11285

Near Sharp Point on Anjo Peninsula.

Terminalia petiolaris A. Cunn. ex Benth. SJF 2043

Tree to 6 m, dbh 15 cm, bark deeply furrowed. Sub-dominant in low closed-forest on sandstone sea-cliffs on Governor Is.

Terminalia sp. SJF s.n.

Grey barked tree to 4 m. On freshwater creek adjacent to mangroves at Pauline Bay.

CONVOLVULACEAE

Bonamia media R.Br. SJF 2076

Trailer, flowers sky-blue. In crevices on coastal sandstone platform on Governor Is.

Bonamia pannosa (R.Br.) H. Hallier SJF 2245.; JHW s.n.; PGW 11168

Prostrate semi-shrub; flowers 1 cm diam., cream. Uncommon in open-scrub and low open-forest on lateritic podzol SSW of Sharp Point, and on Sir Graham Moore Is.

Ipomoea abrupta R.Br. SJF 2142

? Renascent perennial trailer. In low open-woodland on sandstone near Woppinbie Ck.

Ipomoea coptica (L.) Roth. SJF 2216; WAP s.n.

Trailer. In riparian low open-forest on basalt on freshwater creek flowing into Seaflower Bay.

Ipomoea eriocarpa R.Br. EAC 257; JHW s.n.

Trailer. On sandstone on Governor Is.

Ipomoea macrantha Roemer & Schultes EAC 261; WAP s.n.

Perennial trailer. On rocky sandstone foreshore of Governor Is. and in riparian low open-forest on basalt on freshwater creek flowing into Seaflower Bay.

Merremia sp. nov. EAC 301

In low open-forest on sandstone at base of Anjo Peninsula.

Xenostegia tridentata (L.) Austin & Staples EAC 244; SJF 2047

Weak twiner to 1 m. In low closed-forest on sandstone sea-cliffs on Governor Is.

CUCURBITACEAE

Trichosanthes cucumerina L. WAP s.n.; PGW 11302

Twinner with tendrils, seeds winged. In riparian low open-forest on basalt on freshwater creek flowing into Seaflower Bay, and near Sharp Point.

DILLENIACEAE

Hibbertia lepidota R.Br. ex DC. SJF 2178

Shrub to ? 1 m, flowers yellow. In low open-woodland on sandstone near Pim Hill.

Hibbertia sp. (aff. K.F. Kenneally 7048) SJF 2185S; JHW s.n.

Shrub to 1.5 m. In low open-woodland on sandstones and laterite near Pim Hill.

DROSERACEAE

Drosera indica L. EAC 272, 355; SJF 2160

Ascending herb to 30 cm, leaves glandular, flowers pink. On drying banks of freshwater creeks flowing into Pauline Bay and West Bay.

Drosera petiolaris R.Br. ex DC. EAC 338, 345

Rosetted herb to 10 cm diam., leaves glandular, margins silky. On drying banks of freshwater creek flowing into Pauline Bay and in low-lying woodland near Woppinbie Ck.

Drosera subtilis N.G. Marchant EAC 358

Minute herb, leaves glandular. On drying banks of freshwater creek flowing into Pauline Bay.

EBENACEAE

Diospyros ferrea (Willd.) Bakh. var. *humilis* (R. Br) Bakh. SJF 2044; PGW 11281

Small tree, bark grey and black, blaze pink. In low closed-forest on sandstone sea-cliffs on Governor Is., and near Sharp Point.

Diospyros maritima Blume SJF 2050; JHW s.n.; PGW 11251, 11281

Small tree to 3 m, leaves ovate 10 cm, shiny. In low closed-forest on sandstone sea-cliffs of Governor Is. and on crest of beach dunes near Sharp Point and on Sir Graham Moore Is.

ELATINACEAE

Bergia pedicellaris (F. Muell.) Benth. EAC 340

Herb. In low woodland on black cracking clay near Cone Mt.

EUPHORBIACEAE

Drypetes lasiogyna (F. Muell.) Pax & K. Hoffm. SJF 2189, 2263; JHW s.n.; PGW s.n.

Salt-pruned semi-prostrate shrub to low tree to 4 m, fruits red-orange. In low closed-forest on basalt 2 km SW of August Point and on sandstone shoreline near Sharp Point.

Drypetes sp. PGW 11167

Sir Graham Moore Is.

Euphorbia aff. *australis* Boiss. JHW s.n.

Sprawling semi-shrub to 15 cm. On lateritic plateau at Pim Hill.

Euphorbia aff. *drummondii* Boiss. JHW s.n.

Spreading herb to 15 cm. On open sand behind beach on Governor Is.

Euphorbia aff. *tannensis* Sprengel JHW s.n.

Virgate herb to 70 cm, seeds smooth, caruncle expanded, caducous. On sand amongst rocks on Governor Is.

Euphorbia atoto Forst. f. JHW s.n.; PGW 11303

Sprawling bushy sub-shrub to 50 cm, leaves distichous. On crest of beach dunes near Sharp Point.

Euphorbia plumeroides Teysm. ex Hassk. EAC 390; JHW s.n.

Leafless twiggy shrub to 1 m. In low open-woodland on lateritised basalt on Seaflower Bay.

Euphorbia sp. aff. *armstrongiana* Boiss. ex DC. JHW s.n.

Slender, erect herb to 50 cm, leaves in distant pairs. On sand among coastal rocks on Governor Is.

Euphorbia tannensis Sprengel JHW s.n.

Perennial multi-stemmed semi-shrub to 70 cm, seeds asperous, caruncle unexpanded. On Governor Is.

Flueggea virosa (Roxb. ex Willd.) Voigt SJF 2141, 2200; JHW s.n.
Tree to 8 m, fruits black, 4 mm diam. Dominant in low closed-forest on basalt SW of August Point, and Woppinbie Ck.

Mallotus didymochryseus Airy Shaw SJF 2191, 2192
Low tree to 4 m, leaves white below: fruits ovoid, 1 cm diam. In low closed-forest on basalt 2 km SW of August Point.

Mallotus nesophilus Muell. Arg. PGW 11283, 11306
Near Sharp Point on Anjo Peninsula.

Petalostigma pubescens Domin EAC 266, 312G; SJF 2121C
Spreading shrub to 2 m. In open-scrub/woodland/forest on lateritic podzol near Cone Mt. on Anjo Peninsula and near West Bay.

Phyllanthus maderaspatanus L. WAP s.n.
Ascending herb to 15 cm. In low open-forest on basalt on freshwater creek flowing into Pauline Bay.

Phyllanthus sp. EAC 312A
Shrub. In low open-woodland on sandstone escarpment near Cone Mt.

Phyllanthus virgatus G. Forster EAC 305; JHW s.n.
Virgate semi-shrub to 30 cm. On Governor Is., and Anjo Peninsula, in low open forest amongst sandstone outcrops.

Sauropus trachyspermus (F. Muell.) Airy Shaw EAC 299; JHW s.n.
Leafless herb to 30 cm. In low open-forest amongst sandstone outcrops at base of Anjo Peninsula and Governor Is.

Sebastiania chamaelea (L.) Muell.-Arg. JHW s.n.; PGW 11189
Herb to 1 m. On edge of sandy beach on Governor Is., and on Sir Graham Moore Is.

GOODENIACEAE

Calogyne sp. SJF 2213
Trailing herb, flowers bright yellow. In riparian low open-forest on freshwater creek flowing into Seaflower Bay.

Goodenia arachnoidea Carolin ined. EAC 254, 303; SJF 2153
Trailing annual herb to 30 cm., flowers yellow. In open-scrub on sandstone on Governor Is., in low open-forest amongst sandstone outcrops at base of Anjo Peninsula and on drying bank of freshwater creek flowing into Pauline Bay.

Goodenia sepalosa F. Muell ex. Benth. EAC 396
Trailing herb. On ephemeral creek in low open-woodland on lateritised basalt on Seaflower Bay.

Scaevola browniana Carolin ined. SJF 2240; JHW s.n.
Sprawling semi-shrub to 30 cm, flowers white. In open-scrub on lateritic podzol on Anjo Peninsula and on sandstone on Governor Is.

Scaevola sericea Vahl. (syn. *S. taccada* (Gaertn.) Roxb.) PGW 11248.
Rounded shrub to 2 m. On primary dune sand near Sharp Point on Anjo Peninsula and on Sir Graham Moore Is.

HALORAGACEAE

Gonocarpus acanthocarpus (Brongn.) Orchard PGW 11205
Sir Graham Moore Is.

Gonocarpus chinensis (Lour.) Orchard ssp. *chinensis* EAC 353; JHW s.n.
Herb. In open-forest on sandstone floodplain of freshwater creek flowing into Pauline Bay.

Gonocarpus implexus Orchard EAC 285

Herb. In open-woodland on sandstone along creek flowing into West Bay.

Gonocarpus leptothecus (F. Muell.) Orchard EAC 290, 332; SJF 2119

Diffuse shrub to 30 cm. In low open-forest amongst sandstone outcrops at base of Anjo Peninsula and near Woppinbie Ck.

Myriophyllum sp. SJF 2097

Aquatic herb, shoots emergent. In freshwater creek flowing into Pauline Bay.

LAMIACEAE

Anisomeles malabarica (L.) R.Br. ex Sims JHW s.n.; PGW 11296

At base of Anjo Peninsula and near Sharp Point.

Plectranthus congestus R.Br. JHW s.n.

Herb to 50 cm. In open-forest on sandstone floodplain of freshwater creek flowing into Pauline Bay.

LAURACEAE

Cassytha aurea J.Z. Weber var. *candida* J.Z. Weber EAC 253, 291; SJF 2065; JHWs.n.

Twining parasite on grasses and shrubs to 30 cm, 1 mm diam., pubescent to almost glabrous, fruits black. In low woodland and open-forest on sandstone on Governor Is. and at base of Anjo Peninsula.

Cassytha capillaris Meissn. JHW s.n.

Twining parasite. On grasses and shrubs. Uncommon in low woodland on sandstone on Governor Is.

Cassytha filiformis L. PGW 11220

Sir Graham Moore Is.

LECYTHIDACEAE

Planchonia careya (F. Muell.) Kunth. SJF 2131S; PGW 11187

Tree to 4 m, branches weeping, bark corky. Sub-dominant in low forest on black cracking clay near Cone Mt. and on Sir Graham Moore Is.

LENTIBULARIACEAE

Utricularia chrysantha R.Br. EAC 351; SJF 2100

Erect herb to 20 cm, flowers golden yellow. In open forest on drying bank of freshwater creek flowing into Pauline Bay.

Utricularia fistulosa P. Taylor JHW s.n.

In wet mud at edge of pools at Pauline Bay.

Utricularia gibba L. EAC 347

Annual herb. On drying banks of freshwater creek flowing into Pauline Bay.

Utricularia leptoplectra F. Muell. SJF 2151

Erect, tender herb to 50 cm, leafless: flowers blue internally, white with yellow sheen externally. On drying banks of freshwater creek flowing into Pauline Bay. Second collection from Western Australia.

Utricularia uliginosa Vahl SJF 2099

Slender herb, flowers blue-mauve. In open forest, gregarious on drying bank of freshwater creek flowing into Pauline Bay.

LOBELIACEAE

Lobelia dioica R.Br. EAC 343; SJF 2162

Slender, ascending herb to 15 cm, flowers blue. On drying banks of freshwater creek flowing into Pauline Bay and in low-lying woodland near Woppinbie Ck.

LOGANIACEAE

Mitrasacme ? ambigua R.Br. JHW s.n.

Leafless herb to 50 cm. On dam edges of pond at West Bay

Mitrasacme ? lepidocalyx F. Muell. PGW 11272

Sir Graham Moore Is.

Mitrasacme ? lutea F. Muell. JHW s.n.

Ascending herb to 15 cm, flowers cream. In spring and on damp sandy flat along freshwater creek flowing into Pauline Bay.

Mitrasacme ? pygmaea R.Br. JHW s.n.

Tender prostrate herb. On damp ground under shade of grasses/sedges with ephemerals at Pauline Bay.

Mitrasacme elata R.Br. var. *brevicalyx* Leenh. SJF 2243

Slender herb to 30 cm, flowers white. In open-scrub on lateritic podzol on Anjo Peninsula.

Mitrasacme exserta F. Muell. SJF 2167

Erect annual herb to 50 cm, leafless, flowers white. On drying banks of freshwater creek flowing into Pauline Bay.

Mitrasacme lutea F. Muell. EAC 360; WAP s.n.

Annual herb to 15 cm. In open-forest on floodplain of freshwater creek flowing into Pauline Bay and West Bay.

Mitrasacme pygmaea R.Br. EAC 338B

Tender erect herb to 10 cm. In low open-forest on damp sand near Woppinbie Ck.

Strychnos lucida R.Br. EAC 391; SJF 2201, 2221; PGW s.n., 11166

Shrub to 1.5 m: fruit 2 cm diam., orange. In riparian low open-forest and in low closed-forest on basalt on Seaflower Bay and in open-heath on sheltered sandstone shoreline of Sharp Point, and on Sir Graham Moore Is.

LORANTHACEAE

Amyema benthamii (Blakely) Dans. EAC 309; JHW s.n.

Hemi-parasite on *Acacia*. In low open-woodland on massive sandstone on Pauline Bay and on basalt SW of August Point.

Amyema bifurcatum (Benth.) Tiegh JHW s.n.; PGW 11298

Hemi-parasite on ? *Syzygium*; flowers in pairs. In low open-woodland on massive sandstone on Pauline Bay, and near Sharp Point.

Decaisnina petiolata (Barlow) Barlow ssp. *petiolata* EAC 262

Hemi-parasite. In open-scrub on sandstone foreshore on Governor Is.

Decaisnina signata (F. Muell. ex Benth.) Tieghem ssp. *cardiophylla* (Domin) Barlow SJF 2104

Hemi-parasite on *Syzygium eucalyptoides* ssp. *bleeseri*, flowers red. In low open-woodland on massive sandstone on Pauline Bay.

Dendrophthoe acacioides (Cunn. ex Benth.) Tieghem ssp. *acacioides* EAC 403, 407; SJF 2266; JHW s.n. (x 2)

Pendulous, hemi-parasitic on *Acacia* species, flowers orange. At Pauline Bay and in open-heath/scrub on lateritised sandstone and secondary dunes on Anjo Peninsula.

LYTHRACEAE

Ammannia baccifera L. SJF 2214

Weak herb. In riparian low open-forest on basalt on freshwater creek flowing into Seaflower Bay.

Lythrum arnhemica F. Muell. EAC 341

Erect herb to 20 cm, flowers pink. In low woodland on black cracking clay near Cone Mt.

Pemphis acidula Forst. & Forst. f. JHW s.n.; PGW 11308

Mangrove. On Governor Is. and on Sir Graham Moore Is.

MALVACEAE

Gossypium populifolium (Benth.) F. Muell. ex Todaro EAC 241, 397, SJF 2173; JHW s.n.

Trailer to 1.5 m, flowers pink, petals blotched purple at base. In low open-woodland on sandstone near Pim Hill, in riparian low open-forest on basalt on Seaflower Bay and on sandy shores of Governor Is.

Hibiscus geranioides Cunn. ex Benth. JHW s.n.; PGW 11206

Trailing etiolated semi-shrub to 1 m. In low open-forest on lateritic podzol SW of Sharp Point, and on Sir Graham Moore Is.

Hibiscus leptocladius Benth. EAC 312D

Open shrub to 1 m. In low open-woodland on sandstone escarpment near Cone Mt.

Hibiscus spinulosus (W.V. Fitzg.) F.D. Wilson SJF 2250

Open shrub to 1.5 m: flowers pink, maroon at base. Uncommon in open-scrub on lateritic podzol on Anjo Peninsula and amongst declivities in tall shrubland on sandstone plateau on Governor Is.

Hibiscus sp. nov. (= Craven 8412) EAC 310

Erect open shrub to 1 m, flowers pink. Uncommon on low open-woodland on sandstone at Pauline Bay.

Hibiscus sp. nov. 'Admiralty Gulf' EAC 321; SJF 2134

Erect open shrub to 1.5 m, flowers pink. Rare in low open-woodland on sandstone near Woppinbie Ck and at West Bay.

Hibiscus sp. nov. 'Vansittart Bay' SJF 2157

Shrub to 1 m, flowers pink. In low open-woodland on sandstone at Pauline Bay.

Thespesia populneoides (Roxb.) Kostel SJF 2077; JHW s.n.

Sprawling shrub to 4 m, bark smooth. On sandy beach on Governor Is. and among rocks and mangroves on estuary of Pauline Bay.

MELASTOMATACEAE

Osbeckia australiana Naudin JHW s.n.

Shrub to 1 m, flowers magenta. In swamp on floodplain of freshwater creek flowing into Pauline Bay.

MELIACEAE

Aglaiia elaeagnoides (A.L. Juss.) Benth. EAC 388; JHW s.n.

Tree to 8 m. In low closed-forest on basalt SW of August Point.

Owenia vernicosa F. Muell. SJF 2149

Tree to 6 m: bark rough, persistent. Co-dominant in low open-woodland on sandstone at Pauline Bay.

Xylocarpus granatum Koen. PGW 11315

Sir Graham Moore Is.

Xylocarpus moluccensis (Lam.) M. Roemer (syn. *X. australasicus* Ridley) SJF2040S, 2226S; JHW s.n.

Tree to 5 m, trunk massive, swollen dbh 80 cm: leaves pinnate, deciduous. Rare on sandy beaches on Seaflower Bay and on sheltered landward fringe of mangal on Governor Is. and Anjo Peninsula.

MENISPERMACEAE

Tinospora smilacina Benth. EAC 312C

Climber to 3 m. In low open-woodland on sandstone escarpment near Cone Mt.

MENYANTHACEAE

Nymphoides disperma H.I. Aston SJF 2098

Aquatic stoloniferous herb: leaves floating; scape emergent, flowers orange-yellow. In freshwater creek flowing into Pauline Bay. Type locality.

Nymphoides sp. aff. *indica* (L.) Kuntze JHW s.n.

Aquatic herb, flowers white. In pond on freshwater creek on sandstone at West Bay.

Nymphoides sp. EAC 275

Aquatic stoloniferous herb. In freshwater creek flowing into West Bay.

MIMOSACEAE

Acacia arida Benth. SJF 2116

Shrub to 2 m: fruit cylindrical, apex pungent. In low open-forest amongst sandstone outcrops at base of Anjo Peninsula.

Acacia calcigera Tindale MS SJF 2198; JHW s.n.

Small fastigiate tree to 10 m, bipinnate: bark pale, corky. In low open-woodland on lateritised basalt on Seaflower Bay and SW of August Point.

Acacia deltoidea Cunn. ex Don var. *pungens* Benth. EAC 313, 385; SJF 2176

Shrub to 2 m, flowers yellow. In low open-woodland on sandstone near Pim Hill and West Bay.

Acacia dunnii (Maiden) Turrill JHW s.n.

Shrub to 3 m. Dominant in open-scrub on sand above beach on Governor Is.

Acacia gonocarpa F. Muell. EAC 246, 298; SJF 2051, 2115; JHW s.n.; PGW 11208

Shrub to 5 m. Dominant in tall shrubland on sandstone plateau on Governor Is. and common in low open-forest amongst sandstone outcrops at base of Anjo Peninsula and on Sir Graham Moore Is.

Acacia ? oligoneura F. Muell. SJF 2123

Low shrub to 1 m. In low open-woodland on lateritic podzol near Cone Mt.

Acacia ? oncinocarpa Benth. PGW 11165

Sir Graham Moore Is.

Acacia orthocarpa F. Muell. sens. lat. EAC 384

Shrub to 4 m. In low open-woodland on sandstone at base of Anjo Peninsula.

Acacia platycarpa F. Muell. EAC 404; PGW 11247

Tall shrub to 4 m. In open-scrub on secondary dune near Sharp Point on Anjo Peninsula, and on Sir Graham Moore Is.

Acacia retinervis A. Cunn. ex Benth. SJF 2238; JHW s.n.

Tree to 4 m. Co-dominant in open-scrub on lateritic podzol on Anjo Peninsula and in low open-woodland on sandstone at Pauline Bay.

Acacia stigmatophylla Cunn. ex Benth. EAC 327; SJF 2087; JHW s.n.; PGW 11185

Spreading shrub to 2 m, leaves yellow-green. Common in low woodland on lateritised sandstone on Cone Mt., on sandstone near Woppinbie Ck and on basalt mount SW of August Point, and on Sir Graham Moore Is.

Acacia translucens A. Cunn. ex Hooker EAC 334; SJF 2110, 2244; JHW s.n.; PGW 11266

Shrub to 2 m, flowers 1 cm diam., yellow. Occasional in low open-forest and open-scrub on lateritic podzol, lateritised sandstone and sandstones along Anjo Peninsula near Woppinbie Ck and at West Bay, and on Sir Graham Moore Is.

Acacia translucens Cunn. ex Hook. *forma* EAC 368

Shrub to 2 m. In low open-woodland on sandstone near Pim Hill.

Acacia tumida F. Muell. ex Benth. EAC 286, 288; SJF 2067; JHW s.n.

Shrub to 5 m, dbh 10 cm, leaves glaucous, bark rough, blackish. In low woodland on sandstone on Governor Is., at base of Anjo Peninsula and at West Bay.

MORACEAE

Ficus leucotricha Miq. JHW s.n.

On Governor Is.

Ficus platypoda A. Cunn. ex Miq. EAC 316; SJF 2045; PGW 11300

Spreading tree to 5 m, fruit yellow. In low closed-forest on sandstone sea-cliffs on Governor Is. and in low woodland on sandstone near West Bay, and near Sharp Point.

MYOPORACEAE

Myoporum acuminatum R.Br. JHW s.n.; PGW 11227

Spreading shrub to 4 m. Among rocks behind mangal at Pauline Bay, and on Sir Graham Moore Is.

MYRSINACEAE

Aegiceris corniculatum JHW s.n.; PGW 11260

Mangrove. Common at West Bay and Governor Is. and on Sir Graham Moore Is.

MYRTACEAE

Calytrix achaeta (F. Muell.) Benth. SJF 2092

Shrub to 1.5 m, flowers white. In low woodland on sandstone near Cone Mt.

Calytrix brownii (Schauer) Craven EAC 307

Shrub to 3 m, flowers white. In low open-woodland on sandstone at Pauline Bay.

Calytrix exstipulata DC. EAC 312; SJF 2112; PGW 11198

Shrub to 2 m, flowers magenta-pink. Common in low open-forest/woodland amongst sandstones.

Eucalyptus alba Reinw. ex Blume JHW s.n.

Tree to 15 m; bark white, smooth. Co-dominant in open-forest on swampy floodplain of freshwater creek flowing into Pauline Bay.

Eucalyptus ? *bigalerita* F. Muell. SJF 2147

Tree to 12 m, bark smooth. Co-dominant in open-forest on swampy floodplain of freshwater creek flowing into Pauline Bay

Eucalyptus bleeseri Blakely SJF 2062, 2183; PGW 11162, 11299

Tree to 7 m, bark bloodwood-type, leaves glossy, flowers creamy-white. Dominant in low open-forest on lateritised sandstone near Pim Hill and on Governor Is., also on Anjo Peninsula near Sharp Point.

Eucalyptus brachyandra F. Muell. EAC 314, 325; SJF 2182

Crooked tree to 7 m; bark rough below, smooth above. Sub-dominant in low open-woodland on sandstone near Pim Hill, West Bay and Woppinbie Ck.

Eucalyptus fitzgeraldii Blakely EAC 393; SJF 2195; JHW s.n.

Spreading tree to 8 m, bark box-type, lower branches weeping. In low open-woodland on lateritised basalt on Seaflower Bay.

Eucalyptus foelscheana F. Muell. SJF 2069, 2078; JHW s.n.

Small tree to 5 m, flowers white, bark rough, grey, papery, persistent to higher branches. In low woodland on sandstone on Governor Is.

Eucalyptus herbertiana Maiden EAC 372

Tree to 7 m, bark smooth, white. In low open-woodland on sandstone near Pim Hill.

Eucalyptus latifolia F. Muell. EAC 336; JHW s.n.

Tree to 10 m, bark smooth. In moist grassy amphitheatre of rocky sandstone plateau on Cone Mt. and in low-lying woodland near Woppinbie Ck.

Eucalyptus miniata A. Cunn. ex Schauer SJF 2075; PGW 11233, 11257

Tree to 6 m, flowers orange, bark rough and fissured on trunk, smooth, white on branches. In low woodland on sandstone on Governor Is. and Sir Graham Moore Is.

Eucalyptus nesophila Blakely SJF 2187; JHW s.n.

Tree to 15 m, bark bloodwood-type, leaves shiny, flowers cream. Dominant in open-forest fringe surrounding lateritic plateau near August Point, and on basalt in vine thicket below plateau.

Eucalyptus ollaris Carr & Carr EAC 317; JHW s.n.

Tree to 6 m, bark bloodwood-type. Dominant in low woodland on sandstone near West Bay and on Anjo Peninsula.

Eucalyptus papuana F. Muell. (SR)

Smooth barked tree to 12 m. Along stream levee near Woppinbie Ck.

Eucalyptus sp. nov. aff. *papuana* F. Muell. SJF 2068, 2070; ? PGW 11179

Tree to 7 m, bark smooth, white. In low woodland on coastal sandstone on Governor Is. and on Sir Graham Moore Is.

Eucalyptus polycarpa F. Muell. JHW s.n.

Tree to 16 m: bark rough, bloodwood. At Pauline Bay, Governor Is. and on sand at Anjo Peninsula.

Eucalyptus tectifica F. Muell. SJF 2127A

Crooked tree to 5 m: bark rough, grey persistent. Dominant in low woodland on black cracking clay near Cone Mt.

Eucalyptus tetradonta F. Muell. EAC 331

Tree to 10 m, bark fibrous, persistent. Dominant in low-lying woodland around West Bay and near Woppinbie Ck.

Lophostemon grandiflorus (Benth.) Peter G. Wilson & J.T. Waterhouse SJF 2141S

Tree to 3 m: bark rough, grey-black. Sub-dominant in riparian low open-forest on sandstone along Woppinbie Ck.

Melaleuca leucadendra (L.) L. (SR)

Paperbarked tree to 15 m. Dominant on swampy floodplain of freshwater creek flowing into Pauline Bay.

Melaleuca viridiflora Gaertn. PGW 11188, 11228

Sir Graham Moore Is.

Osbornia octodonta F. Muell. JHW s.n.

Mangrove. At West Bay and Governor Is.

Syzygium eucalyptoides (F. Muell.) B. Hyland ssp. *bleeseri* (O. Schwarz) B. Hyland SJF 2150; JHW s.n.

Tree to 8 m, bark smooth: sparse foliage in clumps, leaves glossy, orbicular. Locally co-dominant in low open-woodland on sandstone and in open-forest on floodplain of freshwater creek flowing into Pauline Bay.

Xanthostemon paradoxus F. Muell. EAC 326; SJF 2139

Spreading tree to 4 m: flowers yellow, showy. Co-dominant in low open-woodland on sandstone near Woppinbie Ck.

NYMPHAEEACEAE

Nymphaea gigantea Hook. (SR)

Aquatic herb, leaves and flowers floating. In freshwater pools at Pauline Bay.

Ondinea purpurea Den Hartog EAC 329; SJF 2158S

Submerged aquatic herb: leaves undulate, purple below. In freshwater creek flowing into Pauline Bay and in Woppinbie Ck.

OLEACEAE

Jasminum didymum R.Br. ssp. *didymum* EAC 405; JHW s.n.; PGW 11297, 11253

Low twiner, flowers cream. On Governor Is., on basalt on mount on Bougainville Peninsula and in foreshore grassland on Anjo Peninsula.

ONAGRACEAE

Ludwigia octovalvis (Jacq.) Raven SJF 2212; JHW s.n.

Herb to 70 cm, flowers yellow. In riparian open-forest on freshwater creeks flowing into Pauline Bay and Seaflower Bay.

Ludwigia perennis L. EAC 409

Herb. In sedgeland surrounding tidal lagoon on Anjo Peninsula.

PAPILIONACEAE

Abrus precatorius L. EAC 387; SJF 2199; PGW s.n.

Vigorous low creeper, leaves pinnate: seeds glossy, black and red. On coastal fringe in low open-woodland on lateritised basalt on Seaflower Bay and on Sharp Point.

Bossiaea bossiaeoides (A. Cunn. ex Benth.) Court EAC 264, 289; SJF 2109; 2242; JHW s.n.

Leafless shrub to 1.5 m, flowers yellow. In low open-forest on lateritised sandstone and in open-scrub on lateritic podzol on Anjo Peninsula and at West Bay.

Burtonia subulata Benth. EAC 295; SJF 2120, 2174; JHW s.n.; PGW 11191

Sprawling diffuse shrub to 60 cm: flowers yellow. In low open-woodland/forest amongst sandstone outcrops at base of Anjo Peninsula near Pim Hill and on Governor Is. and on Sir Graham Moore Is.

Canavalia papuana Merr. & Perry EAC 386; PGW 11311

Low twiner, flowers purple. In low open-woodland on lateritised basalt near August Point, and on Sir Graham Moore Is.

Canavalia rosea (Sw.) DC. JHW s.n.

On Governor Is.

Crotalaria crispata F. Muell. ex Benth. SJF 2234; JHW s.n.; PGW 11262, 11304

Shrub, flowers yellow. On sandy shore at West Bay and in open-scrub on lateritic podzol on Anjo Peninsula and on Sir Graham Moore Is.

Crotalaria linifolia L. f. EAC 297; SJF 2107; WAP s.n.

Leafless sub-shrub to 30 cm, flowers yellow. In low open-forest on lateritised sandstone at base of Anjo Peninsula and on basalt on freshwater creek flowing into Seaflower Bay.

Crotalaria novae-hollandiae DC. WAP4

Shrub to 1 m, fruits light green, inflated. In open woodland near West Bay.

Desmodium trichostachyum Benth. EAC 304, 350; SJF 2161

Prostrate semi-shrub, pods constricted around seeds. On drying bank of creek at base of Anjo Peninsula and creek flowing into Pauline Bay.

Flemingia involucrata Wall. ex Benth. EAC 282; JHW s.n.

Ascending shrub to 70 cm, flowers blue-purple. In open-forest on margins of freshwater creeks flowing into West Bay and Pauline Bay.

Indigofera linifolia (L.f.) Retz. WAP s.n.; PGW 11249, 11259

Grey-green ascending herb, fruits nearly spherical. In low open-forest on basalt on freshwater creek flowing into Seaflower Bay, and on Sir Graham Moore Is.

Jacksonia argentea C.A. Gardner EAC 265; PGW 11185

Shrub to 1.5 m. In low open-forest on lateritised sandstone at West Bay, and on Sir Graham Moore Is.

Jacksonia thesiodes (Cunn.) Benth. EAC 263, 337; SJF 2117

Shrub to 2 m, cladodes silvery, flowers yellow. Common in low open-forest amongst sandstone outcrops at base of Anjo Peninsula and at West Bay.

Psoralea badocana (Blanco) Blanco SJF 2127, 2211; JHW s.n.; PGW 11182, s.n.

Erect shrub to 1 m, flowers mauve/blue, sweetly scented. Occasional but widespread throughout study area.

Templetonia hookeri (F. Muell.) Benth. EAC 258; SJF 2258; JHW s.n.

Open shrub to 1.5 m, flowers and fruit yellow. Common in open-heath on lateritised sandstone on Sharp Point and Governor Is., and Sir Graham Moore Is.

Tephrosia phaeosperma F. Muell. PGW 11181

Sir Graham Moore Is.

Tephrosia ? remotiflora F. Muell. ex Benth. JHW s.n.

Sprawling shrub: flowers rose pink. In low open-forest on lateritic podzol near Sharp Point.

PLUMBAGINACEAE

Plumbago zeylanica L. PGW 11169

Sir Graham Moore Is.

POLYGALACEAE

Polygala longifolia Poir. SJF 2128

Erect semi-shrub, leafless, flowers mauve. Rare in low woodland on black cracking clay near Cone Mt.

PORTULACACEAE

Calandrinia polyandra Benth. WAP9

Herb to 20 cm, flowers magenta. In low open-woodland near West Bay.

Calandrinia uniflora F. Muell. EAC 250, 342; JHW s.n.

Small herb, flowers magenta. In open-scrub on lateritised sandstone and on gibber plain on Governor Is. and in low woodland on black cracking clay near Cone Mt.

PROTEACEAE

Banksia dentata L.f. SJF 2171; JHW s.n.; PGW 11276

Crooked tree to 4 m, bark rough, flowers lemon-yellow. In open forest on floodplain of freshwater creek flowing into Pauline Bay, and on Sir Graham Moore Is.

Grevillea agrifolia A. Cunn. ex R.Br. EAC 239; SJF 2060, 2136, 2239; JHWs.n.; PGW 11183, 11289

Open shrub to 4 m, flowers cream. In low open-woodland on sandstones on Governor Is. and at Woppinbie Ck and in open-scrub on lateritic podzol near Sharp Point, and on Sir Graham Moore Is.

Grevillea heliosperma R.Br. EAC 311; SJF 2188; JHW s.n.

Spindly tree to 7 m, flowers pink. Co-dominant in tall shrubland on lateritic plateau near August Point and in low open-woodland on sandstone at Pauline Bay.

Grevillea pteridifolia Knight SJF 2121B; PGW 11244

Small open tree to 4 m. In low open-woodland on low-lying lateritic podzol near Cone Mt. and on Sir Graham Moore Is.

Grevillea refracta R.Br. SJF 2086, 2089, PGW 11210, 11235, 11246

Erect shrub to 3 m: bark smooth, grey; flowers red, yellow at tips. Occasional in low woodland on lateritised sandstone on Cone Mt. and on Sir Graham Moore Is.

Hakea arborescens R.Br. SJF 2130, 2270; JHW s.n.; WAP s.n.

Spreading tree to 3 m: bark fissured, black. In low woodland on black cracking clay near Cone Mt., on podzol on Anjo Peninsula and on basalt around Seaflower Bay.

Hakea macrocarpa R.Br. PGW 11215

Sir Graham Moore Is.

Persoonia falcata R.Br. SJF 2121A; JHW s.n.

Small tree to 2 m. On Governor Is. and in low open-woodland on lateritic podzol near Cone Mt.

Stenocarpus cunninghamii R.Br. EAC 318; SJF 2137

Sprawling tree to 2 m, flowers white. In low open-woodland on sandstone near Woppinbie Ck and West Bay.

RHAMNACEAE

Cryptandra intratropica W.V. Fitzg. EAC 312M; SJF 2175

Shrub to ? 50 cm. In low open-woodland on sandstone escarpments near Pim Hill and Cone Mt.

Emmenosperma alphitonioides F. Muell. SJF 2144

Spreading tree to 3 m x 3 m, canopy dense, leaves glossy, fruits orange to red. Uncommon in low open-woodland on sandstone near Woppinbie Ck.

Ziziphus quadrilocularis F. Muell. SJF 2222

Tree to 5 m: fruit 2 cm diam., black. Sub-dominant in riparian low open-forest on basalt on freshwater creek flowing into Seaflower Bay.

RHIZOPHORACEAE

Bruguiera exaristata Ding Hou SJF 2039; JHW s.n.; PGW 11223

Mangrove to 5 m. Forming landward fringe of mangal in sheltered inlet of Governor Is. and covering inlet near Sharp Point, and on Sir Graham Moore Is.

Rhizophora stylosa Griff. SJF 2262; JHW s.n. (x 3); PGW 11258, 11315

Mangrove to 3 m, flowers white. At West Bay, Governor Is., along Sharp Point and at end of tidal influence at Pauline Bay, and on Sir Graham Moore Is.

RUBIACEAE

Borreria geeingwa Specht EAC 255

Erect semi-shrub to 20 cm, inflorescence grey-blue. In open-scrub on lateritised sandstone on Governor Is.

Borreria sp. EAC 292, 308; SJF 2168

Prostrate wiry semi-shrub to 15 cm. In rock fissures in low open-woodland on sandstone at base of Anjo Peninsula and at Pauline Bay.

Borreria sp. MEL 1552983 JHW s.n.

Erect herb to 30 cm, inflorescence a head. At West Bay.

Borreria sp. MEL 1552984 JHW s.n.

More or less prostrate herb. In rock crevices at spring on W side of inlet at Pauline Bay.

Borreria sp. MEL 1552985 JHW s.n.

Erect herb to 30 cm, inflorescence a head. On Governor Is.

Gardenia megasperma F. Muell. SJF 2269; PGW 11294

Tree to 3.5 m. Rare in low woodland on lateritic podzol on Anjo Peninsula.

Gardenia sp. nov. aff. *megasperma* F. Muell. SJF 2118, 2256; JHW s.n.

Low tree to 4 m, leaves yellow-green, shoots typically resinous, fruits conspicuously winged by flattened calyx lobes. In low open-forest amongst sandstone outcrops at base of Anjo Peninsula and in open-heath on sandstone shoreline of Sharp Point.

Oldenlandia scleranthoides (F. Muell.) Jackson PGW 11307

Anjo Peninsula near Sharp Point.

Pavetta brownii Bremek SJF 2054; JHW s.n.

Rounded tree to 3 m, leaves dull above. In tall shrubland on sandstone plateau on Governor Is. and on crest of beach dunes at Anjo Peninsula.

Randia cochinchinensis (Lour.) Merrill WAP s.n.

Tree to 4 m, leaves rather shiny above. In low closed-forest on basalt near August Point.

Spermacoce breviflora Benth. PGW 11275

Sir Graham Moore Is.

RUTACEAE

Boronia lanuginosa Endl. EAC 245; SJF 2059, 2260; JHW s.n.; PGW 11203

Sprawling shrub to 1 m, flowers magenta-pink. In open-heath on sandy strand behind sandstone sea-cliffs on Governor Is., in low open-forest at base of Anjo Peninsula, on lateritised sandstone on Sharp Point and amongst rocks and on Sir Graham Moore Is.

Micromelum minutum (Forster f.) Wight & Arn. JHW s.n.

On mount near August Point.

Murraya paniculata (L.) Jack. var. *ovatifolia* Engl. PGW 11314

Sir Graham Moore Is.

Paramignya trimera (Oliver) Burkill SJF 2202, 2203

Shrub to 1.5 m: spines to 3 cm, recurved leaves parsnip-scented. In riparian low open-forest on basalt on freshwater creek flowing into Seaflower Bay and near August Point.

Zanthoxylum parviflorum Benth. EAC 256; JHW s.n.

Tree to 5 m. In low open-woodland on lateritised sandstone on Governor Is.

SANTALACEAE

Exocarpos latifolius R.Br. EAC 383; SJF 2053, 2177, JHW s.n.; PGW 11280

Shrub to 2 m. In open-woodland on sandstone near Pim Hill and base of Anjo Peninsula, in tall shrubland on sandstone plateau on Governor Is. and in low closed-forest on basalt near August Point, and near Sharp Point.

SAPINDACEAE

Atalaya varifolia F. Muell. ex Benth. JHW s.n.; PGW 11226

On Bougainville Peninsula and on Sir Graham Moore Is.

Distichostemon hispidulus (Endl.) Baill. EAC 267; SJF 2055, 2088, 2231; JHW s.n.; PGW 11200

Spreading shrub to 1.5 m, fruits 3-winged. Common in open-scrubs and woodlands on lateritic podzols and sandstones throughout study area.

Dodonaea platyptera F. Muell. EAC 392; SJF 2194; PGW 11312

Shrub to 1.5 m. In low open-woodland on lateritised basalt on Seaflower Bay, and on Sir Graham Moore Is.

SAPOTACEAE

Mimusops elengi L. SJF 2042, 2257; JHW s.n.; PGW 11284

Tree to 6 m., bark silver-grey, blaze exuding white latex, flowers white, fragrant; fruits ovoid to 1.5 cm diam., red. On sandstone shoreline of Sharp Point, in low closed-forest on sandstone sea-cliffs of Governor Is. and on basalt near August Point.

Planchonella pohlmaniana (F. Muell.) Burkill EAC 370, 371

Small tree to 9 m, bark grey, corky. In low open-woodland on sandstone escarpment near Pim Hill.

Pouteria sericea (Aiton) Baehni SJF 2041, 2141A; JHW s.n.; PGW 11163

Tree to 8 m, bark grey, tessellated, blaze exuding white latex. In riparian low-open forest on sandstone along Woppinbie Ck, dominant in low closed-forest on sandstone sea-cliffs of Governor Is. and on basalt near August Point and on Sir Graham Moore Is.

SCROPHULARIACEAE

Buchnera linearis R.Br. EAC 248, 344; SJF 2063, 2132, 2241;; JHW s.n.; PGW 11193

Erect semi-shrub to 50 cm, flowers white or mauve. Widespread in open forests, woodlands and scrubs throughout study area.

Buchnera ramosissima R.Br. SJF 2197; JHW s.n.

Semi-shrub to 1 m, flowers white. In low open-woodland on lateritised basalt near August Point and in low open-forest on sandy flat at base of Anjo Peninsula.

Centranthera cochinchinensis (Lour.) Merr. EAC 363; SJF 2159

Herb to 60 cm: corolla ruby red-maroon, free limbs white-pale mauve. In open-forest on floodplain of freshwater creek flowing into Pauline Bay.

Hemiarrhena plantaginea (F. Muell.) Benth. EAC 276; SJF 2166

Erect herb to 50 cm, leaves in basal rosette: flowers mauve with purple spots in throat, ? musk scented. In open-forest on floodplain of freshwater creek flowing into Pauline Bay and West Bay.

Limnophila fragrans (G. Forster) Seeman SJF 2170; JHW s.n.

Ascending herb to 10 cm. On drying banks of freshwater creek flowing into Pauline Bay.

Lindernia sp. 'Kimberley' EAC 346

Herb. In open-forest on floodplain of freshwater creek flowing into Pauline Bay.

Lindernia sp. nov. JHW s.n.

On temporarily damp flat 1 km from coast at West Bay.

Mimulus linearis (R.Br.) Wettst. EAC 278; SJF 2165; JHW s.n.

Rhizomic ascending herb, stems erect, to 20 cm, flowers yellow with red spots in throat. On drying banks of freshwater creeks flowing into Pauline Bay and West Bay.

Stemodia lythrifolia F. Muell. ex Benth. EAC 359; SJF 2236; JHW s.n.

Herb to 50 cm, flowers mauve. In open-scrub on lateritic podzol on Anjo Peninsula and in open-forest on floodplain of freshwater creek flowing into Pauline Bay.

Striga sp. SJF 2210

Low shrub; flowers magenta, throat white. In riparian low open-forest on basalt of freshwater creek flowing into Seaflower Bay.

SIMAROUBACEAE

Harrisonia brownii A.L. Juss JHW s.n.

On mount on Bougainville Peninsula.

SOLANACEAE

Solanum dioicum W.V. Fitzg. JHW s.n.

Amongst rocks of knoll on south side of entrance to Pauline Bay.

Solanum echinatum R.Br. PGW 11265

Sir Graham Moore Is.

Solanum oedipus D.E. Symon EAC 369; SJF 2180

Low shrub, leaves spiny, flowers purple. In low-open woodland on sandstone near Pim Hill.

SONNERATIACEAE

Sonneratia alba Sm. JHW s.n.

Mangrove to 8 m, bark grey, scaly. At West Bay.

STACKHOUSIACEAE

Stackhousia intermedia Bailey EAC 335; SJF 2108, 2235; JHW s.n.; PGW 11201

Herb to 30 cm, stems yellow-green. Widespread in open-scrub and low open-forest on lateritised sandstone and lateritic podzol throughout study area.

STERCULIACEAE

Brachychiton diversifolius R.Br. JHW s.n.

Juvenile leaves narrow. On Anjo Peninsula and Governor Is.

Brachychiton diversifolius R.Br. ssp. *diversifolius* SJF 2079; JHW s.n.

Small tree to 6 m, bark ? In *E. bleeseri* woodland on Anjo Peninsula and in low woodland on sandstone on Governor Is.

Brachychiton tridentatus G.P. Guymer SJF 2066; JHW s.n.

Tree to 6 m, bark grey, rough, furrowed. In low woodland on sandstone on Governor Is. and mixed low forest on sand near Sharp Point.

Brachychiton sp. JHW s.n.

On Governor Is.

Helicteres aff. *rhynchocarpa* W.V. Fitzg. SJF 2124

Weak open shrub to 1 m. Common in low woodland on black cracking clay near Cone Mt.

Melhania oblongifolia F. Muell. PGW 11171

Sir Graham Moore Is.

Melochia umbellata (Houtt.) Stapf EAC 400; SJF 2204, 2206; JHW s.n.

Slender tree to 6 m. In riparian low open-forest on basalt on freshwater creek flowing into Seaflower Bay and in low closed-forest on basalt near August Point.

Sterculia quadrifida R.Br. PGW 11180

Sir Graham Moore Is.

Sterculia viridiflora W.V. Fitzg. PGW 11164

Sir Graham Moore Is.

Waltheria indica L. EAC 294; SJF 2249

Semi-shrub to 50 cm, flowers yellow. In open-scrub on lateritic podzol and in low open-forest on sandstone on Anjo Peninsula.

STYLIDIACEAE

Stylidium claytonioides W.V. Fitzg. SJF 2164

Erect annual herb to 15 cm: leaves in basal rosette, linear: flowers pink and purple. On drying banks of freshwater creek flowing into Pauline Bay.

Stylidium cordifolium W.V. Fitzg. SJF 2169; JHW s.n.

Erect annual herb to 20 cm, flowers pink and white, leaves ovate along stem. On drying banks of freshwater creek flowing into Pauline Bay.

Stylidium floodii F. Muell. JHW s.n.

To 10 cm, flowers pink, leaves linear in rosette. In low open-forest on damp grassy flat at base of Anjo Peninsula.

Stylidium multiscapum Schwarz PGW 11240

Sir Graham Moore Is.

Stylidium schizanthum F. Muell. EAC 249; JHW s.n.

Annual herb. In open-scrub on lateritised sandstone plateau on Governor Is., Anjo Peninsula and Pauline Bay.

Stylidium sp. SJF 2152

Annual herb, leaves basal: flowers orange, throat yellow, spurred. On drying banks of freshwater creek flowing into Pauline Bay.

Stylidium sp. SJF 2155

Annual herb, flowers pink. On drying banks of freshwater creek flowing into Pauline Bay.

Stylidium sp. EAC 300

Annual herb. Along ephemeral creek in low open-forest on sandstone at base of Anjo Peninsula.

Stylidium sp. EAC 352

Annual herb. In open-forest on floodplain of freshwater creek flowing into Pauline Bay.

Stylidium sp. EAC 354

Annual herb, flowers purple and pink. On drying banks of freshwater creek flowing into Pauline Bay.

THYMELAEACEAE

Thecanthes punicea (R.Br.) Wikstrom EAC 287, 293; SJF 2237

Semi-shrub to 20 cm, involucre bracts connate. In open-scrub on lateritic podzol on Anjo Peninsula and in low open-forest on sandstone at base of Anjo Peninsula.

TILIACEAE

Corchorus vermicularis F. Muell. JHW s.n.

Slender shrub to 70 cm. On sand above quartzite outcrops above beach at Governor Is. and in low open-forest on lateritic plateau at Pim Hill.

Grewia polygama Roxb. EAC 394; SJF 2196

Spreading shrub to 1.5 m: fruits tan, 4-partite. In low closed-forest and low open-woodland on basalt scarp on Seaflower Bay.

Triumfetta appendiculata F. Muell. SJF 2145

Open shrub to 1 m. Abundant in low open-woodland on sandstone near Woppinbie Ck.

Triumfetta micracantha F. Muell. SJF 2259; JHW s.n.

Semi-prostrate shrub. Occasional in open-heath on lateritised sandstone on Sharp Point and on basalt near August Point.

Triumfetta plumigera F. Muell. PGW 11202

Sir Graham Moore Is.

Triumfetta sp. EAC 296A

Erect shrub to 50 cm. In low open-forest on sandstone at base of Anjo Peninsula.

ULMACEAE

Celtis philippinensis Blanco EAC 389; SJF 2190, 2224; JHW s.n.

Tree to 7 m: fruits 5 mm diam., tan. Widespread in low closed forest on sandstone and basalt on or near coast throughout study area.

Trema aspera Blume EAC 398

Shrub to 2 m. In low open-woodland adjacent to closed-forest on basalt scarp on Seaflower Bay.

Trema sp. JHW s.n.

On basalt on Bougainville Peninsula.

VERBENACEAE

Clerodendrum floribundum R.Br. PGW 11209

Sir Graham Moore Is.

Premna acuminata R.Br. EAC 312F

Small tree. In low open-woodland on sandstone escarpment near Cone Mt.

Vitex acuminata R.Br. EAC 312F

Small tree to 3 m. In low open-woodland on sandstone escarpment near Cone Mt.

Vitex rotundifolia L. f. JHW s.n.; PGW 11279

Rigidly erect shrublet to 50 cm, flowers blue. On landward side of dune on Anjo Peninsula near Sharp Point.

VIOLACEAE

Hybanthus enneaspermus (L.) F. Muell. PGW 11213

Sir Graham Moore Is.

VITACEAE

Ampelocissus acetosa (F. Muell.) Planchon SJF 2048S; JHW s.n.

Tall vigorous climber to 3 m. In low closed-forest on sandstone sea-cliffs on Governor Is. and on basalt near August Point.

APPENDIX 1

PLANTS COLLECTED BY ALLAN CUNNINGHAM FROM N.W. AUSTRALIA NORTH-WEST COAST, 7TH SEPT.-13TH OCT. 1819, NOS 409-512 VANSITTART BAY COLLECTIONS

409. Acanthaceae. *Hypoestes* sp. ? *suffruticosa pubescens, spicis terminalibus secundis, foliis ovato-ellipticis acutis, laciniis involucri ovato-lanceolatis acutis interioribus minoribus, corollis albo-purpureis, labio inferiore indiviso, superiore bifido.* — A shrubby plant in very rocky situation. Stoney Range at the Head of Vansittart. Oct.

TRANSLATION: Somewhat woody pubescent with secund terminal spikes.

Leaves: ovate elliptical, acute.

Bracts of the involucre: ovate lanceolate, acute, smaller on the inside.

Corolla: pale purple (literally: white-purple) with an undivided lower lip and a bifid superior (lip).

410. Proteaceae. *Grevillea heterophylla*: intermediate between *refracta* and *ceratophylla* of Mr. Brown. — *foliis ternatis pinnatis bipinnatis simplicibusque, elongato — spathulatis, basi attenuatis acutis utrinque sericeis adpressis acutevenosis, racemis terminalibus refractis, ramulis pedunculis perianthisque candido-tomentosis folliculis obovatis (lignosis) pistillisque glaberrimis, ovariis pedicellatis, stigmate obliquo depresso-conico, perianthio basi persistente.* A slender tree 12-14 feet high. Frequent on barren rocky Rocky Hills. Shores of Cambridge Gulf. Sept. 1819. Vansittart Bay. altitude . . .

TRANSLATION: intermediate between *refracta* and *ceratophylla* of Mr. Brown.

Leaves: ternate, pinnate, bipinnate and simple, elongate-spathulate, tapering at the base, acute, sericeous on both sides, appressed, with acute conspicuous venation.

Racemes: bent, terminal.

Branchlets, peduncles & perianths: white tomentose.

Leaflets: obovate (woody)

Pistil: glabrous.

Ovaries: pedicellate.

Stigma: oblique, conically sunken in the centre.

Perianths: persistent at the base.

411-413. Not on the list.

414. *Grevillea omalophylla*. *foliis ovato-oblongis obtusis muticis basi attenuatis 3-5 nerviis planis, fasciculis umbellatis multifloris; perianthiis extus tomentosis, stylo glabrobrevioribus.* — A shrub of large bushy growth. Rocky parts of Jar Island; Vansittart Bay. Oct.

TRANSLATION: Leaves: ovate-oblong, obtuse, without a point, tapering at the base, flat, 3-5 nerved.

Flowers: abundant in fasciculate umbels.

Perianths: tomentose on the outside.

Style: shorter (than perianths?), glabrous.

415-419. Not on the list.

420. Rubiaceae — *Gardenia dacryoides*. *resinoso-gummifera, flavescens, tenuissime hispida, foliis subrotundo-obovatis nervosis, axillis venarum foveolatis, _____ 4-5 alatis terminalibus.* — A tree of stunted irregular growth. Sterile Rocky Hills; Vansittart Bay. Cambridge Gulf. Sept & Oct.

TRANSLATION: exuding a yellow resinous gum, slightly hispid. Leaves: somewhat rotund-obovate, conspicuously nerved, axils of the veins minutely pitted (domatia), (fruit) with 4-5 terminal wings.

421-424. Not on the list.

425. *Parsonsia mollis* R.Br. (imperfect)

A twining shrub frequent in Brushes. Port Warrender Oct. & Vansittart Bay Sept.

426-429. Not on the list.

430. Umbellatae. *Trachymene gigantea*; nearly related to *T. incisa* of Salisbury. A slender herbaceous plant, 5-6 feet high; barren Hills Lacrosse Island.—Vansittart Bay. Flowering Sept. & Oct. without leaves; some however old & decay'd were of the shape of *T. incisa*, a plant frequent at Parramatta.

431. Not on the list.

432. Diosmea. *Boronia candicans: albo-tomentosa, foliis imparipinnatis, foliolis ovato-oblongis integerrimis, margine revolutis sessilibus ultimis majoribus, rachi alato, floribus (purpureis) axillaribus solitariis.* = nearly related to *B. pilosa*: of Labillre. — what is Dr. Smith's *B. alata*.—a round bushy Plant. — Rocky Hills. Vansittart Bay.

TRANSLATION: white tomentose.

Leaves: imparipinnate.

Leaflets: ovate, oblong, entire, with revolute margin, sessile, larger at the end.

Winged rachis.

Flowers: (purple), axillary, solitary.

433. *Diosmea* sp. same genus as 154. 155. octandria monog. — *cal. 5-fidus. cor. 5-petalo.* leaves ovate — A tall shrub. on the rocky shores of Vansittart Bay.

TRANSLATION: 8-stamens, one gynaeceum.

Calyx: 5-fid.

Corolla: 5-petals.

Leaves: ovate, lanceolate, pellucidly dotted.

434-436. Not on the list.

437. *Caesalpinia* sp. *foliis bipinnatis alternato-pinnatis, foliolis rotundato-obovatis obliquis glabris emarginatis, racemis spicatis leguminibus compressis staminibus, corolla duplo longioribus.* — A tree 16 feet high of spreading branching habit. Rocky Hills. Encounter Cove. Vansittart Bay. Sept.

TRANSLATION: Leaves, bipinnate, alternate, pinnate.
Leaflets: rotund-obovate, oblique, glabrous, emarginate.
Raceme: spicate.
Legumes: flattened.
Stamens: twice as long as corolla.

438-444. Not on the list.

445. *Rhizophorea*. *Bruguiera* sp. — *petalis marginibus ciliatis*. — A small tree frequent with others of this family & *Avicennia tomentosa*. Muddy shores of N.W. Coast. Oct.

TRANSLATION: Petals with ciliate margins.

446. *Euphorbia* sp.: *arbuscula; foliis deciduis, ramis teretibus nudis erectis, floribus terminalibus racemosis* (*Tithymalus* Haworth). A small tree of rather gibbous growth; barren Hills on the Rocky shores of Vansittart Bay. Oct.

TRANSLATION: small tree.

Leaves: deciduous.

Branches: terete, bare, erect.

Flowers: In terminal racemes.

447-448: Not on the list.

449. *Eucalyptus* sp. *operculo hemispherico, mucronato, racemis pedunculatis umbellatis axillaribus erectis, foliis lato-lanceolatis attenuatis, petiolis compressisculis* (diminutive should not be with adjective) *superne subcanaliculatis*. — A slender tree 16-20 feet: barren Rocky Hills. Vansittart Bay. Port Warrender.

TRANSLATION: Operculum: hemispherical, mucronate.

Racemes: pedunculate, umbellate, axillary, erect.

Leaves: attenuate, broad-lanceolate.

Petioles: slightly compressed somewhat canaliculate above.

450-451. Not on the list.

452. *Eucalyptus* sp. *operculo hemispherico mucronato, floribus umbellatis paniculatis axillaribus terminalibus, foliis elongato-lanceolatis*. — A tree of stunted growth. Rocky Hills, Vansittart Bay, Port Warrender Oct.

TRANSLATION: Operculum: mucronate, hemispherical.

Flowers: terminal, umbellate, paniculate, axillary.

Leaves: elongate-lanceolate.

453. *Eucalyptus micrantha* *operculo hemispherico depresso mutico, umbellis lateralibus, floribus minutis pedicellatis, foliis lanceolatis attenuatis, ramulis virgatis*. A tree of spreading habit with the preceding. Vansittart Bay. Oct.

TRANSLATION: Operculum: hemispherical, flattened in the centre, blunt.

Flowers: in lateral umbels, with minute pedicels.

Leaves: lanceolate attenuate.

With twiggy branchlets.

454-456. Not on the list.

457. *Capparis micrantha*: *aculeata pubescens, pedunculis umbellatis, foliis ellipticis obtusis emarginatis, axilis glanduliferis.* — An erect shrub allied to *sepiaria* Linn. Rocky sandy shore of Vansittart Bay. Oct.

TRANSLATION: aculeate (prickly) hairy, with peduncles in umbels (?).

Leaves: elliptical, obtuse, emarginate, axils bearing glandules.

458. *Capparis lacera*: *inermis tomentosa, pedunculis unifloris solitariis axillaribus, foliis elliptico-oblongis obtusis supranitidis siliquis sub-sphaericis, marginibus petalorum laceris.* — A small rotund bushy tree of dense growth sterile shores of Vansittart Bay — Oct.

TRANSLATION: Unarmed (without spines or prickles) tomentose.

Flowers: single pedunculate, solitary in axils.

Leaves: elliptical, oblong, obtuse, shiny above.

Siliquas: somewhat spherical.

Margins of the petals: lacerate.

459. *Vitex trifolia* Br. specimen in flower. A tree 20 feet high. Sterile shores of Vansittart Bay — Oct.

461. *Cleome* sp. *fruticosa glanduloso-pubescens, foliis simplicibus ovatis acutis petiolatis, stipulis spinescentibus, floribus gynandris terminalibus racemoso-corymbosis.* — A shrub of irregular growth. Rocky sandy shores of Vansittart Bay — Oct.

TRANSLATION: Shrubby glandular, pubescent.

Leaves: simple, ovate, acute, petiolate.

Stipules: spinescent.

Flowers: gynandrous (stamens fused with gynaecium to form androgynophore) terminal in a corymose raceme.

462. Not on the list.

463. *Hibiscus geranioides*: *setoso-hispido, foliis quinque partitis, lobis pinnatifido-incisis dentatis, floribus axillaribus pedunculatis, calycibus exterioribus septemphyllis linearibus; interioribus brevioribus, caule diffuso suffruticoso.* — A small Plant on Rocky Hills. Vansittart Bay. Oct.

TRANSLATION: setose, hispid.

Leaves: in 5 parts, lobes sharply pinnatifid, dentate.

Flowers: axillary, pedunculate.

Calyx: with 7 linear leaves on the outside; inner ones shorter.

Stem: spreading, woody.

464. Not on the list.

465. *Crotalaria* sp. very nearly related to *C. retusa* Juss. Flowers yellow, legumes smooth. An annual plant of suffruticose large-growth (5 feet) Rocky Hills. Vansittart Bay. Oct.

466. *Dolce monophylla*. *incano-tomentosa, spicis dense cylindricis pedunculatis axillaribus terminalibusque, foliis simplicibus ellipticis acutis (floribus violaceis).* — A shrub 7-8 feet high, Barren rocky shores of Vansittart Bay. Oct.

TRANSLATION: Hoary tomentose.

Spikes: dense, cylindrical, pedunculate, axillary and terminal.

Leaves: simple, elliptical, acute.

(Violet flowers.)

467. *Melaleuca alsophila*. *foliis lanceolatis basi attenuatis mucronatis. rugosis rigidis 3-nerviis punctatis, capitatis sphaericis, phalangibus dodecandris.* — A large spreading tree 20-25 feet high of dense Habit (like some *Hakea*) among mangroves, margins of Salt Plains, on low flats subject to Inundations of the Sea. Cambridge Gulf tr(ack?) and other places of this Coast. Sept & Oct.

TRANSLATION: Leaves: lanceolate, attenuate at the base, mucronate, rugose, rigid, 3-nerved, dotted.

(Inflorescence): Capitata, spherical, in bundles of 12 stamens.

(Note: The word capitatis is probably used instead of capitis. The text would then read: spherical heads.)

468-469. Not on the list.

470. *Sterculia acerifolia*. *foliis palmato-quinquelobis acuminatis utrinque tomentosa supralucidis, lobis lateralibus basi bipartitis, calycibus campanulatis, villosis, coloratis.* — A tree 10-12 feet high. leaves deci(duou)s. Barren shores of Cambridge Gulf., Vansittart Bay. Sept & Oct.

TRANSLATION: Leaves: 5-lobed, palmate, acuminate, tomentose on both sides, very shiny. Lateral lobes divided in 2 at the base.

Calyx: campanulate, villous, coloured.

471. *Sterculia hibiscina*: allied to *S cordifolia* Read diss. t. 144 f.2. — *tomentosa, foliis subrotundo-cordatis 7-nerviis, floribus congestis lateralibus calycibus coloratis campanulatis, capsulis obovatis acutis.* — A deciduous tree like its genus; habit of *Hibiscus*. 12-16 feet high. Rocky barren Hills — Shores of Vansittart Bay & Port Warrender. flowers smaller than those of the preceding — Oct.

TRANSLATION: allied to *S. cordifolia*. Read diss. t. 144 f.2
Tomentose.

Leaves: somewhat rotund, cordate, 7-nerved.

Flowers: crowded together laterally.

Calyx: coloured, campanulate.

Capsule: obovate, acute.

472. *Phyllanthus* sp. *foliis alternis oblongo-ellipticis, racemis aggregatis lateralibus, caulediffuso.* A large shrub of spreading diffuse habit. Rocky Island. Vansittart Bay.

TRANSLATION: Leaves: alternate, oblong-elliptical.

Racemes: clustered laterally.

With spreading stem.

473. *Phyllanthus* sp. suspected *P. calycina* (fide Labill^{re}) a shrub found in barren sandy spots: rocky Edges of Hills. Port Warrender — Vansittart Bay. October 1819.

474-482. Not on the list.

483. *Acacia* sp. *foliis brevibus obovatis 3-nervis obliquis mucronatis uncatis leguminibus compressis marginatis, loculis seminis diagonalis.* — A shrub forming large dense brushes, on the Summits of Rocky Barren Hills, Vansittart Bay. Oct.

TRANSLATION: Leaves: slightly obovate, 3-nerved, oblique, mucronate, bent inwards.

Legumes: flattened on the margins.

Loculi of the seed is diagonal.

484. *Acacia omphalosperma*: *foliis oblongis spathulatis obtusis 3-nerviis venosis, reticulato-excavatis punctatis basi uniglandularis. leguminibus compressis rectis, seminibus depresso-rotundatis umbilicatis, ramulis virgatis.* — A tree having pendant Branches, 12-16 feet high. Rocky Hills. Encounter Cove. Vansittart Bay. October 1918.

TRANSLATION: Leaves: oblong, spathulate, obtuse, 3-nerved, conspicuously veined, reticulate, hollowed out in a curve.

Legume: flattened (laterally), straight.

Seeds: Flattened from above, rotund, umbilicate.

Branchlets: twiggy.

485. *Acacia* sp. *foliis oblique — oblongis obtusis curvatis 7-to multinervis, apice margineque superino glandulifers, racemis pedunculatis axillaribus, loculis seminis (in legumini) diagonalis.* — A shrub on brushy rocky Hills. Vansittart Bay. Port Warrender. October.

TRANSLATION: Leaves: oblique-oblong, obtuse, curved, 7-multinerved; glanduliferous at the apex and on the upper margin.

Racemes: pedunculate, axillary.

Loculi of the seed (in legume) diagonal.

486. *Acacia delibrata*. *foliis linearibus elongatis acutis subfalcatis nervosis basi angustatis, petiolo crapiusculo l-glanduloso, leguminibus attenuatis submoniliformibus apice rostratis, exterioribus terebinthinaces — viscidis, ramulis basibus foliorum sericeis, cortice scarioso — lamelloso, caule arborescente decorticoso.* — A slender tree 20-25 feet high, having a rugged outer red bark & cuticle on the stem hanging in flakes, showing the fine close dense texture of the inner _____ which is likewise red. Rocky Ridge at the Head of Port Warrender. Oct 1819. The varnish'd pods scent the Air around this rocky Ridge where alone (?) this *Acacia* has been observed / to some Distance, with a terebinthinaceous odour.

TRANSLATION: Leaves: linear, elongate, acute, subfalcate; conspicuously nerved tapering at the base.

Petiole: moderately thick, l-glandular.

Legumes: attenuate, somewhat moniliform (cylindrical but contracted at regular interval), rostrate at the apex, terebinthinaceous on the outside — viscid.

Branchlets at the base of the leaves sericeous (i.e. silky with long straight, closed pressed glossy hairs).

Bark: scarious lamellate.

Stem: becoming tree-like with bark peeling off in strips.

487. Not on the list.

488. *Acacia* sp. *foliis bipinnatis partialibus bijugis, propriis 10-12 jugis crassis ovatis acutis costatis basi obliquis, stipulis spinosis folis brevioribus, ramis strictis, leguminibus planis compressis.* — A large stiff-habitted shrub. Grassy Hills. Encounter Cove. Vansittart Bay. Oct.

TRANSLATION: Leaves: bipinnate, partly 2-paired most often 10-12 paired, thick, ovate, acute, costate, oblique at the base.

Stipules: spiny, shorter than the leaves.

Branches: very upright (Close together)

Legume: plain, flattened.

489. Not on the list.

490. *Ficus* sp. *glabra, foliis obovato-ellipticis obtusis parallele-venosis, venis apicibus ramosis, receptaculis sphaericis calyculatis subsolitariis pedicellatis purpurascens.* — A tree 20 feet high of spreading Habit. Rocky sterile Hills, Islands & mainland. Vansittart Bay. — Oct.

TRANSLATION: glabrous.

Leaves: obovate-elliptical, obtuse, with conspicuous parallel veins, with veins branched at the apex.

Receptacle: spherical.

Epicalyx: somewhat solitary, pedicellate, purplish.

491. *Ficus velutina: incano tomentosa, foliis ellipticis obtusis integerrimis margine revolutis, receptaculis globosis incarnatis.* — A low spreading tree. Rocky Islands — Vansittart Bay. Oct.

TRANSLATION: Hoary tomentose.

Leaves: elliptical, obtuse, absolutely entire, revolute at the margin.

Receptacle: spherical, flesh-coloured.

492. *Ficus* sp. *glabra, foliis lato-ellipticis subcordatis acutis parallele nervosis, minute reticulatis petiolatis, petiolis folio aequalibus.* A small tree without fruit. Jar Island. Vansittart Bay. Oct. 1819.

TRANSLATION: Glabrous.

Leaves: broad-elliptical, somewhat cordate, acute with parallel, conspicuous nerves, minutely reticulate, petiolate. Petioles: equal in length to the leaf.

493. *Salicornia macrophylla* Br. a Plant (nearly dead) on the scorched shores of this coast. Oct.

494-499. Not on the list.

500. *Glycine* sp.? A shrub without flower and but a single pod.

Leaves: ternate, hoary, elliptical, acute nerved.

Rocky Island: Vansittart Bay.

501. A leguminous shrub with preceding — pinnate obcordate cuneatis sericeous leaves. with preceding.

502. *Bauhinia* sp. *ramis spinescentibus, foliis rotundatis (parvis) 3-5 nerviis inequalibus* — A rigid shrub on the shores of Vansittart Bay. Oct. 1819. (Note added in margin N.B. Vansittart bay is an error. See 10 Oct. at summit of Crystal Head, Port Warrender).

TRANSLATION: With spinescent branches.
Leaves: rotund (few), 3-5 unequal nerves.

503. *Capparis* sp. *villosa, foliis ellipticis obtusis mucronatis, petiolatis, stipulis spinosis uncinato-recurvis*. Sandy Deserty shores. Vansittart Bay. Sept. Oct. 1819.

TRANSLATION: Villous.
Leaves: elliptical, obtuse, mucronate, petiolate.
Stipules: Spiny with recurved hooks.

507. A strong robust tree with 3-nerved elliptical entire dentated leaves. — Barren Rocky Island and main(land) — Vansittart Bay.

508-510. Not on the list.

511. _____ sp.: with shorter rigid leaves covered with a resinous-gummy substance, spreading over extensive waste on the shores of this Coast.

512. Not on the list.

Note: The names listed in this Appendix are not intended to be validly published, they merely represent a transcript of a Cunningham manuscript and should not be cited as published names.

APPENDIX 2

PLANTS RECORDED for the NORTH KIMBERLEY by
C.A. GARDNER, AS BOTANIST ON W.R. EASTON'S
KIMBERLEY EXPLORATION EXPEDITION, APR.-OCT. 1921

[extracted by J.H. Willis from *Forests Department Bulletin* No. 32 (Perth, 1923)]

Vansittart Bay — 45 species — ("V")
Napier Broome Bay — 40 species — ("N")

SPERMATOPHYTA

CUPRESSACEAE

Callitris intratropica — V, N

MONOCOTYLEDONEAE

ARECACEAE

Livistona sp. (as "*L. alfredi*") — N

FLAGELLARIACEAE

Flagellaria indica — N

LILIACEAE

Protasparagus racemosus (as "*Asparagus racemosus*") — V, N

ORCHIDACEAE

Cymbidium canaliculatum — V

PANDANACEAE

Pandanus spiralis (as "*P. odoratissimus*") — V, N

POACEAE

Spinifex longifolius — V

DICOTYLEDONEAE

ACANTHACEAE

Hypoestes suaveolens (TYPE) — V

AMARANTHACEAE

Gomphrena canescens — N

ANACARDIACEAE

Buchanania obovata (as "*B. lucida*") — N

BORAGINACEAE

Trichodesma zeylanicum — N

CAESALPINIACEAE

Cassia venusta — V

Erythrophloeum chlorostachys (as "*E. labouchei*") — V, N

CELASTRACEAE

Maytenus muelleri (as "*Celastrus muelleri*") — N

COCHLOSPERMACEAE

Cochlospermum fraseri (as "*C. heteronemum*") — V

COMBRETACEAE

Terminalia cunninghamii — V, N

CONVOLVULACEAE

Ipomoea brasiliensis subsp. *pes-caprae* (as "*I. pes-caprae*") — V, N

DROSERACEAE

Drosera petiolaris — V

EUPHORBIACEAE

Petalostigma quadriloculare — V

LORANTHACEAE

Decaisnina signata subsp. *cardiophylla* (as "*Loranthus amplexans*") — N

Dendrophoe acacioides (as "*Loranthus acacioides*") — N

MALVACEAE

Gossypium pulchellum (as "*Fugosia pulchella*") — V

Hibiscus geranoides — V

Thespesia populnea — V

MELIACEAE

Owenia vernicosa — V

Xylocarpus australasicus (as "*Carapa obovata*") — V

MIMOSACEAE

Acacia kelleri — V, N

A. sublanata (as "*A. luehmannii*") — N

A. tanumbirinensis — N

A. translucens — V

MORACEAE

Ficus sp. (as "*F. orbicularis*") — V

MYOPORACEAE

Myoporum acuminatus — V, N

MYRSINACEAE

Aegiceras corniculatum (as "*A. majus*") — V, N

MYRTACEAE

Eucalyptus brachyandra — V, N

E. "dichromophloia" (probably referable either to *E. arenaria* Blakely *E. drysdalensis* Carr & Carr) — V, N

E. foelscheana — V

E. miniata — V, N

E. papuana — V

E. tectifera (as "*E. spenceriana*") — N

E. tetradonta — N

E. sp. (aff. *E. terminalis*) (as "*E. terminalis*") — N

Melaleuca leucadendra — V

Syzygium sp. [syn. *Eugenia fortis*] (as "*Eugenia grandis*") — V, N

Verticordia cunninghamii — V

OPILACEAE

Opilia amentacea — V, N

PAPILIONACEAE

Alysicarpus cheelii — V, N

Jacksonia argentea (TYPE) — V

Sesbania formosa (as "*S. grandiflora*") — V, N

Tephrosia conspicua — N

PROTEACEAE

Grevillea agrifolia — N

G. latifolia — V

G. mimosoides — N

G. viscidula — N

Persoonia falcata — V, N

RHIZOPHORACEAE

Bruguiera ? *parviflora* (as "*B. gymnorrhiza*") — V, N

Ceriops *tagal* (as "*C. candolleana*") — V, N

Rhizophora *mucronata* — V, N

RUBIACEAE

Canthium *attenuatum* — V

Gardenia *megasperma* — V, N

SANTALACEAE

Exocarpos *latifolius* — V, N

SOLANACEAE

Solanum *vansittartense* (TYPE) — V

SONNERATIACEAE

Sonneratia *alba* — V, N

STERCULIACEAE

Brachychiton *paradoxus* (as "*Sterculia* *ramiflora*") — V, N

TILIACEAE

Triumfetta *appendiculata* — V